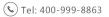


MARCH5 Monoclonal Antibody

RING finger protein 5; Membrane-associated RING-CH protein V; MARCH-V; Mitochondrial ubiquitin ligase; MITOL; RING finger protein 153 Observed Band Tell Pathway Mitochondrion outer membrane; Multi-pass membrane protein. Endoplasmic reticulum membrane; Multi-pass membrane protein. Authors show that the protein can be detected in endoplasmic reticulum (PubMed:14722266). Authors (PubMed:16874301) show its presence only in mitochondria (PubMed:16874301). Tissue Specificity Expressed in brain, heart, liver, lung, spleen, stomach, testis, skeletal and muscle domain: The RING-CH-type zinc finger domain is required for E3 ligase activity., function: Mitochondrial E3 ubiquitin-protein ligase that plays a crucial role in the control of mitochondrial morphology. Promotes ubiquitination of DRP1. E3 ubiquitin ligases accept ubiquitin from an E2 ubiquitin-conjugating enzyme in the form of a thioester and then directly transfer the ubiquitin to targeted substrates., pathway: Protein modification; protein ubiquitination., similarity: Contains 1 RING-CH-type zinc finger., subunit: Interacts		
Reactivity	Catalog No	YP-mAb-02672
Applications WB Gene Name 5-3月 Protein Name E3 ubiquitin-protein ligase MARCH5 Immunogen The antiserum was produced against synthesized peptide derived from human MARCH5. AA range:21-70 Specificity MARCH5 Monoclonal Antibody detects endogenous levels of 40607 protein. Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. Source Monoclonal, Mouse, IgG Purification The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen. Dilution WB 1:500-1:2000 Concentration 1 mg/ml Purity ≥90% Storage Stability -20°C/1 year Synonyms MARCH5; RNF153; E3 ubiquitin-protein ligase MARCH5; Membrane-associated RING finger protein 5; Membrane-associated RING-CH protein V; MARCH-V; Mitochondrial ubiquitin ligase; MITOL; RING finger protein 153 Observed Band 37kD Cell Pathway Mitochondrion outer membrane; Multi-pass membrane protein . Endoplasmic reticulum membrane; Multi-pass membrane protein . Authors show that the protein can be detected in endoplasmic reticulum (PubMed:14722266). Authors (PubMed:16874301) show its presence only in mitochondria Function domain: The RING-CH-type zinc finger domain is required for E3 ligase activity. function: Mitochondrial E3 ubiquitin-protein ligase that plays a crucial role in the control of mitochondrial amprology. Promotes ubiquitination of DRP1. E3 ubiquitin-conjugating enzyme in the form of a thioester and then directly transfer the ubiquitin to largeted substrates, pathway-Protein modification; protein in direction, similarity. Contains it RING-CH-type zinc finger, subunit.Interacts	Isotype	IgG
Gene Name 5-3月 Protein Name E3 ubiquitin-protein ligase MARCH5 Immunogen The antiserum was produced against synthesized peptide derived from human MARCH5. AA range:21-70 Specificity MARCH5 Monoclonal Antibody detects endogenous levels of 40607 protein. Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. Source Monoclonal, Mouse, IgG Purification The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen. Dilution WB 1:500-1:2000 Concentration 1 mg/ml Purity ≥90% Storage Stability -20°C/1 year Synonyms MARCH5; RNF153; E3 ubiquitin-protein ligase MARCH5; Membrane-associated RING finger protein 5; Membrane-associated RING-CH protein V; MARCH-V; Mitochondrial ubiquitin ligase; MITOL; RING finger protein 153 Observed Band 37kD Cell Pathway Mitochondrion outer membrane; Multi-pass membrane protein . Endoplasmic reticulum membrane; Multi-pass membrane protein . Authors show that the protein can be detected in endoplasmic reticulum (PubMed:14722266). Authors (PubMed:16874301) show its presence only in mitochondrial (PubMed:14722266). Authors (PubMed:16874301) show its presence only in mitochondria (PubMed:14872016). Authors (PubMed:16874301) show its presence only in mitochondria (PubMed:14872016). Authors domain: T	Reactivity	Human;Mouse;Rat
Protein Name E3 ubiquitin-protein ligase MARCH5	Applications	WB
Immunogen The antiserum was produced against synthesized peptide derived from human MARCH5. AA range:21-70 Specificity MARCH5 Monoclonal Antibody detects endogenous levels of 40607 protein. Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. Source Monoclonal, Mouse, lgG Purification The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen. Dilution WB 1:500-1:2000 Concentration 1 mg/ml Purity ≥90% Storage Stability -20°C/1 year Synonyms MARCH5; RNF153; E3 ubiquitin-protein ligase MARCH5; Membrane-associated RING-CH protein V; MARCH-V; Mitochondrial ubiquitin ligase; MITOL; RING finger protein 153 Observed Band 37kD Cell Pathway Mitochondrion outer membrane; Multi-pass membrane protein. Endoplasmic reticulum membrane; Multi-pass membrane protein. Authors show that the protein can be detected in endoplasmic reticulum (PubMed:14722266). Authors (PubMed:16874301) show its presence only in mitochondria Function domain:The RING-CH-type zinc finger domain is required for E3 ligase activity, function:Mitochondrial E3 ubiquitin-protein ligase that plays a crucial role in the control of mitochondrial morphology. Promotes ubiquitination of DRP1. E3 ubiquitin-rotein bubiquitin to targeted substrates, pathway:Protein modification; protein	Gene Name	5-3月
MARCH5. AA range:21-70 Specificity MARCH5 Monoclonal Antibody detects endogenous levels of 40607 protein. Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. Source Monoclonal, Mouse, IgG Purification The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen. Dilution WB 1:500-1:2000 Concentration 1 mg/ml ≥90% Storage Stability -20°C/1 year Synonyms MARCH5; RNF153; E3 ubiquitin-protein ligase MARCH5; Membrane-associated RING finger protein 5; Membrane-associated RING-CH protein V; MARCH-V; Mitochondrial ubiquitin ligase; MITOL; RING finger protein 153 Observed Band 37kD Cell Pathway Mitochondrion outer membrane; Multi-pass membrane protein. Endoplasmic reticulum membrane; Multi-pass membrane protein. Authors show that the protein can be detected in endoplasmic reticulum (PubMed:14722266). Authors (PubMed:16874301). Tissue Specificity Expressed in brain, heart, liver, lung, spleen, stomach, testis, skeletal and muscle activity, function:Mitochondrial E3 ubiquitin-protein ligase that plays a crucial role in the control of mitochondrial morphology. Promotes ubiquitination of DRP1. E3 ubiquitin ligases accept ubiquitin from an E2 ubiquitin-conjugating enzyme in the form of a thioester and then directly transfer the ubiquitin to targeted substrates, pathway:Protein modification; protein ubiquitination. similarity:Contains 1 RING-CH-type zinc finger. subunit:Interacts	Protein Name	E3 ubiquitin-protein ligase MARCH5
Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. Source Monoclonal, Mouse, IgG Purification The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen. Dilution WB 1:500-1:2000 Concentration 1 mg/ml Purity ≥90% Storage Stability -20°C/1 year Synonyms MARCH5; RNF153; E3 ubiquitin-protein ligase MARCH5; Membrane-associated RING finger protein 5; Membrane-associated RING-CH protein V; MARCH-V; Mitochondrial ubiquitin ligase; MITOL; RING finger protein 153 Observed Band 37kD Cell Pathway Mitochondrion outer membrane; Multi-pass membrane protein. Authors show that the protein can be detected in endoplasmic reticulum (PubMed:16874301) show its presence only in mitochondria (PubMed:16874301). Tissue Specificity Expressed in brain, heart, liver, lung, spleen, stomach, testis, skeletal and muscle of the control of mitochondrial in prophology. Promotes ubiquitin of DRP1. E3 ubiquitin ligases accept ubiquitin from an E2 ubiquitin-conjugating enzyme in the form of a thioester and then directly transfer the ubiquitin to targeted substrates, pathway. Protein modification; protein ubiquitination. similarity. Contains 1 RING-CH-type zinc finger. subunit:Interacts	Immunogen	
Source Monoclonal, Mouse, IgG Purification The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen. Dilution WB 1:500-1:2000 Concentration 1 mg/ml Purity 290% Storage Stability -20°C/1 year Synonyms MARCH5; RNF153; E3 ubiquitin-protein ligase MARCH5; Membrane-associated RING finger protein 5; Membrane-associated RING-CH protein V; MARCH-V; Mitochondrial ubiquitin ligase; MITOL; RING finger protein 153 Observed Band 37kD Cell Pathway Mitochondrion outer membrane; Multi-pass membrane protein . Endoplasmic reticulum membrane; Multi-pass membrane protein . Authors show that the protein can be detected in endoplasmic reticulum (PubMed:14722266). Authors (PubMed:16874301) show its presence only in mitochondria (PubMed:16874301). Tissue Specificity Expressed in brain, heart, liver, lung, spleen, stomach, testis, skeletal and muscle activity, function:Mitochondrial E3 ubiquitin-protein ligase tar plays a crucial role in the control of mitochondrial E3 ubiquitin-protein ligase tar plays a crucial role in the control of mitochondrial E3 ubiquitin-protein ligase targeted substrates, pathway:Protein modification; protein to largeted substrates, pathway:Protein modification; protein fingersubunit:Interacts	Specificity	MARCH5 Monoclonal Antibody detects endogenous levels of 40607 protein.
Purification The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen. Dilution WB 1:500-1:2000 Concentration 1 mg/ml ≥90% Storage Stability -20°C/1 year Synonyms MARCH5; RNF153; E3 ubiquitin-protein ligase MARCH5; Membrane-associated RING finger protein 5; Membrane-associated RING-CH protein V; MARCH-V; Mitochondrial ubiquitin ligase; MITOL; RING finger protein 153 Observed Band Cell Pathway Mitochondrion outer membrane; Multi-pass membrane protein. Endoplasmic reticulum membrane; Multi-pass membrane protein. Authors show that the protein can be detected in endoplasmic reticulum (PubMed:14722266). Authors (PubMed:16874301). Tissue Specificity Expressed in brain, heart, liver, lung, spleen, stomach, testis, skeletal and muscle activity., function: Mitochondrial E3 ubiquitin-protein ligase that plays a crucial role in the control of mitochondrial E3 ubiquitin-protein ligase that plays a crucial role in the control of mitochondrial E3 ubiquitin-protein ligase that plays a crucial role in the control of mitochondrial morphology. Promotes ubiquitination of DRP1. E3 ubiquitin ligases accept ubiquitin from an E2 ubiquitin-conjugating enzyme in the form of a thioester and then directly transfer the ubiquitin to targeted substratespathway:Protein modification; protein ubiquitin the rageted substratespathway:Protein modification; protein	Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
affinity-chromatography using epitope-specific immunogen. Dilution WB 1:500-1:2000 Concentration 1 mg/ml Purity ≥90% Storage Stability -20°C/1 year Synonyms MARCH5; RNF153; E3 ubiquitin-protein ligase MARCH5; Membrane-associated RING finger protein 5; Membrane-associated RING-CH protein V; MARCH-V; Mitochondrial ubiquitin ligase; MITOL; RING finger protein 153 Observed Band 37kD Cell Pathway Mitochondrion outer membrane; Multi-pass membrane protein . Endoplasmic reticulum membrane; Multi-pass membrane protein . Authors show that the protein can be detected in endoplasmic reticulum (PubMed:14722266). Authors (PubMed:16874301). Tissue Specificity Expressed in brain, heart, liver, lung, spleen, stomach, testis, skeletal and muscle activity., function:Mitochondrial E3 ubiquitin-protein ligase that plays a crucial role in the control of mitochondrial E3 ubiquitin-protein ligase that plays a crucial role in the control of mitochondrial morphology. Promotes ubiquitination of DRP1. E3 ubiquitin-conjugating enzyme in the form of a thioester and then directly transfer the ubiquitin to targeted substrates., pathway:Protein modification; protein	Source	Monoclonal, Mouse,IgG
Concentration 1 mg/ml Purity ≥90% Storage Stability -20°C/1 year Synonyms MARCH5; RNF153; E3 ubiquitin-protein ligase MARCH5; Membrane-associated RING-CH protein V; MARCH-V; Mitochondrial ubiquitin ligase; MITOL; RING finger protein 153 Observed Band 37kD Cell Pathway Mitochondrion outer membrane; Multi-pass membrane protein. Endoplasmic reticulum membrane; Multi-pass membrane protein. Authors show that the protein can be detected in endoplasmic reticulum (PubMed:14722266). Authors (PubMed:16874301) show its presence only in mitochondria (PubMed:16874301). Tissue Specificity Expressed in brain, heart, liver, lung, spleen, stomach, testis, skeletal and muscle activityfunction:Mitochondrial E3 ubiquitin-protein ligase that plays a crucial role in the control of mitochondrial morphology. Promotes ubiquitination of DRP1. E3 ubiquitin ligases accept ubiquitin from an E2 ubiquitin-conjugating enzyme in the form of a thioester and then directly transfer the ubiquitin to targeted substratespathway:Protein modification; protein ubiquitinationsimilarity:Contains 1 RING-CH-type zinc fingersubunit:Interacts	Purification	·
Purity ≥90% Storage Stability -20°C/1 year Synonyms MARCH5; RNF153; E3 ubiquitin-protein ligase MARCH5; Membrane-associated RING finger protein 5; Membrane-associated RING-CH protein V; MARCH-V; Mitochondrial ubiquitin ligase; MITOL; RING finger protein 153 Observed Band 37kD Cell Pathway Mitochondrion outer membrane; Multi-pass membrane protein. Endoplasmic reticulum membrane; Multi-pass membrane protein. Authors show that the protein can be detected in endoplasmic reticulum (PubMed:14722266). Authors (PubMed:16874301) show its presence only in mitochondria (PubMed:16874301). Tissue Specificity Expressed in brain, heart, liver, lung, spleen, stomach, testis, skeletal and muscle activity., function: Mitochondrial E3 ubiquitin-protein ligase that plays a crucial role in the control of mitochondrial E3 ubiquitin-protein ligase that plays a crucial role in the control of mitochondrial morphology. Promotes ubiquitination of DRP1. E3 ubiquitin ligases accept ubiquitin from an E2 ubiquitin-conjugating enzyme in the form of a thioester and then directly transfer the ubiquitin to targeted substrates., pathway:Protein modification; protein ubiquitinationsimilarity:Contains 1 RING-CH-type zinc finger.,subunit:Interacts	Dilution	WB 1:500-1:2000
Synonyms MARCH5; RNF153; E3 ubiquitin-protein ligase MARCH5; Membrane-associated RING finger protein 5; Membrane-associated RING-CH protein V; MARCH-V; Mitochondrial ubiquitin ligase; MITOL; RING finger protein 153 Observed Band 7kD Mitochondrion outer membrane; Multi-pass membrane protein. Endoplasmic reticulum membrane; Multi-pass membrane protein. Authors show that the protein can be detected in endoplasmic reticulum (PubMed:14722266). Authors (PubMed:16874301). show its presence only in mitochondria (PubMed:16874301). Tissue Specificity Expressed in brain, heart, liver, lung, spleen, stomach, testis, skeletal and muscle activity., function: Mitochondrial E3 ubiquitin-protein ligase that plays a crucial role in the control of mitochondrial morphology. Promotes ubiquitination of DRP1. E3 ubiquitin ligases accept ubiquitin from an E2 ubiquitin-conjugating enzyme in the form of a thioester and then directly transfer the ubiquitin to targeted substrates., pathway: Protein modification; protein ubiquitination., simillarity: Contains 1 RING-CH-type zinc finger., subunit: Interacts	Concentration	1 mg/ml
Synonyms MARCH5; RNF153; E3 ubiquitin-protein ligase MARCH5; Membrane-associated RING finger protein 5; Membrane-associated RING-CH protein V; MARCH-V; Mitochondrial ubiquitin ligase; MITOL; RING finger protein 153 Observed Band Cell Pathway Mitochondrion outer membrane; Multi-pass membrane protein. Endoplasmic reticulum membrane; Multi-pass membrane protein. Authors show that the protein can be detected in endoplasmic reticulum (PubMed:14722266). Authors (PubMed:16874301) show its presence only in mitochondria (PubMed:16874301). Tissue Specificity Expressed in brain, heart, liver, lung, spleen, stomach, testis, skeletal and muscle activity., function: Mitochondrial E3 ubiquitin-protein ligase that plays a crucial role in the control of mitochondrial E3 ubiquitin-protein ligase that plays a crucial role in the control of mitochondrial morphology. Promotes ubiquitination of DRP1. E3 ubiquitin ligases accept ubiquitin from an E2 ubiquitin-conjugating enzyme in the form of a thioester and then directly transfer the ubiquitin to targeted substrates., pathway: Protein modification; protein ubiquitination., similarity: Contains 1 RING-CH-type zinc finger., subunit: Interacts	Purity	≥90%
RING finger protein 5; Membrane-associated RING-CH protein V; MARCH-V; Mitochondrial ubiquitin ligase; MITOL; RING finger protein 153 Observed Band 7kD Mitochondrion outer membrane; Multi-pass membrane protein. Endoplasmic reticulum membrane; Multi-pass membrane protein. Authors show that the protein can be detected in endoplasmic reticulum (PubMed:14722266). Authors (PubMed:16874301) show its presence only in mitochondria (PubMed:16874301) Tissue Specificity Expressed in brain, heart, liver, lung, spleen, stomach, testis, skeletal and muscle activity., function: Mitochondrial E3 ubiquitin-protein ligase that plays a crucial role in the control of mitochondrial morphology. Promotes ubiquitination of DRP1. E3 ubiquitin ligases accept ubiquitin from an E2 ubiquitin-conjugating enzyme in the form of a thioester and then directly transfer the ubiquitin to targeted substrates., pathway: Protein modification; protein ubiquitination., similarity: Contains 1 RING-CH-type zinc finger., subunit: Interacts	Storage Stability	-20°C/1 year
Cell Pathway Mitochondrion outer membrane; Multi-pass membrane protein. Endoplasmic reticulum membrane; Multi-pass membrane protein. Authors show that the protein can be detected in endoplasmic reticulum (PubMed:14722266). Authors (PubMed:16874301) show its presence only in mitochondria (PubMed:16874301). Tissue Specificity Expressed in brain, heart, liver, lung, spleen, stomach, testis, skeletal and muscle domain: The RING-CH-type zinc finger domain is required for E3 ligase activity., function: Mitochondrial E3 ubiquitin-protein ligase that plays a crucial role in the control of mitochondrial morphology. Promotes ubiquitination of DRP1. E3 ubiquitin ligases accept ubiquitin from an E2 ubiquitin-conjugating enzyme in the form of a thioester and then directly transfer the ubiquitin to targeted substrates., pathway: Protein modification; protein ubiquitination., similarity: Contains 1 RING-CH-type zinc finger., subunit: Interacts	Synonyms	
reticulum membrane; Multi-pass membrane protein. Authors show that the protein can be detected in endoplasmic reticulum (PubMed:14722266). Authors (PubMed:16874301) show its presence only in mitochondria (PubMed:16874301). Tissue Specificity Expressed in brain, heart, liver, lung, spleen, stomach, testis, skeletal and muscle domain: The RING-CH-type zinc finger domain is required for E3 ligase activity., function: Mitochondrial E3 ubiquitin-protein ligase that plays a crucial role in the control of mitochondrial morphology. Promotes ubiquitination of DRP1. E3 ubiquitin ligases accept ubiquitin from an E2 ubiquitin-conjugating enzyme in the form of a thioester and then directly transfer the ubiquitin to targeted substrates., pathway: Protein modification; protein ubiquitination., similarity: Contains 1 RING-CH-type zinc finger., subunit: Interacts	Observed Band	37kD
domain:The RING-CH-type zinc finger domain is required for E3 ligase activity.,function:Mitochondrial E3 ubiquitin-protein ligase that plays a crucial role in the control of mitochondrial morphology. Promotes ubiquitination of DRP1. E3 ubiquitin ligases accept ubiquitin from an E2 ubiquitin-conjugating enzyme in the form of a thioester and then directly transfer the ubiquitin to targeted substrates.,pathway:Protein modification; protein ubiquitination.,similarity:Contains 1 RING-CH-type zinc finger.,subunit:Interacts	Cell Pathway	reticulum membrane; Multi-pass membrane protein. Authors show that the protein can be detected in endoplasmic reticulum (PubMed:14722266). Authors (PubMed:16874301) show its presence only in mitochondria
activity.,function:Mitochondrial E3 ubiquitin-protein ligase that plays a crucial role in the control of mitochondrial morphology. Promotes ubiquitination of DRP1. E3 ubiquitin digases accept ubiquitin from an E2 ubiquitin-conjugating enzyme in the form of a thioester and then directly transfer the ubiquitin to targeted substrates.,pathway:Protein modification; protein ubiquitination.,similarity:Contains 1 RING-CH-type zinc finger.,subunit:Interacts	Tissue Specificity	Expressed in brain, heart, liver, lung, spleen, stomach, testis, skeletal and muscle.
• • • • • • • • • • • • • • • • • • • •	Function	activity.,function:Mitochondrial E3 ubiquitin-protein ligase that plays a crucial role in the control of mitochondrial morphology. Promotes ubiquitination of DRP1. E3 ubiquitin ligases accept ubiquitin from an E2 ubiquitin-conjugating enzyme in the form of a thioester and then directly transfer the ubiquitin to targeted substrates.,pathway:Protein modification; protein



UpingBio technology Co.,Ltd

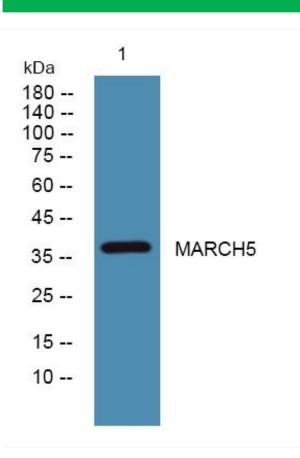


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Background	MARCH5 is a ubiquitin ligase of the mitochondrial outer membrane that plays a role in the control of mitochondrial morphology by regulating mitofusin-2 (MFN2; MIM 608507) and DRP1 (DNM1L; MIM 603850) (Nakamura et al., 2006 [PubMed 16936636]).[supplied by OMIM, Mar 2008],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using MARCH5 Monoclonal Antibody