



MARCH5 Monoclonal Antibody

Catalog No	YP-mAb-02672
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	5-3
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	44990;E3 ubiquitin-protein ligase MARCH5;MARCH5;RNF153;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
Calculated Molecular Weight	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.
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 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 with MTFN2 and ubiquitinated forms of DRP1.,

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],

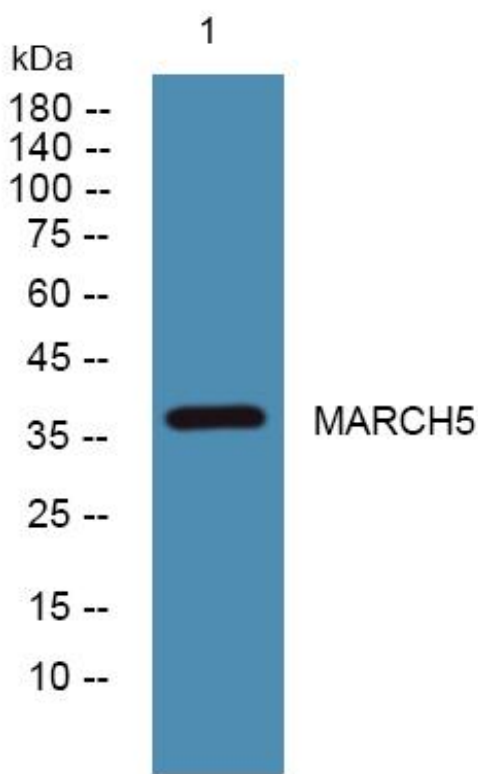
matters needing attention

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