





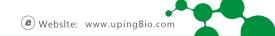
## INP5E Monoclonal Antibody

4,5-bisphosphatase type IV)  Immunogen Synthesized peptide derived from human protein . at AA range: 490-570  Specificity INP5E Monoclonal Antibody detects endogenous levels of protein.  Formulation Liquid in PBS containing 50% glycerol, 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  Observed Band 70kD  Cell Pathway Cytoplasm, cytoskeleton, cilium axoneme. Golgi apparatus, Golgi stack membrane ; Peripheral membrane protein ; Cytoplasmic side. Cell membrane Peripheral membrane protein ; Cytoplasmic side. Cell membrane Peripheral membrane protein associated with Golgi stack Tissue Specificity  Detected in brain, heart, pancreas, testis and spleen.  Catalytic activity:1-phosphatidyl-1D-myo-inositol 4,5-bisphosphate + H(2)O = 1-phosphatidyl-1D-myo-inosphate (PdIns 3,4.5-Tip) Potlpns-P2. Specific for lipid substrates, inactive towards water soluble inositol phosphates, miscellaneous:Active in the presence of octyl-glucoside or Triton X-100, but completely inhibited by CTAB.,PTM:Phosphorylated upon DNA damage, probably by ATM or ATR., sequence caution:Several sequencing problems, similarity:Belongs to the inositol-1,4,5-trisphosphate 5-phosphates type IV family, subcellular location:Peripheral membrane protein associated with Golgi stacks, tissue specificity:Detected in brain, heart, pancreas, testis and Golgi stacks and Selection:Peripheral membrane protein associated with Golgi stacks and selection:Peripheral membrane protein associated with Golgi stacks, tissue specificity:Detected in brain, heart, pancreas, testis and Golgi stacks, tissue specificity:Detected in brain, heart, pancreas, testis and		
Applications  WB  Gene Name  INPPSE  Protein Name  72 kDa inositol polyphosphate 5-phosphatase (EC 3.1.3.36) (Phosphatidylinos 4,5-bisphosphate 5-phosphatase) (Phosphatidylinositol polyphosphate 5-phosphatase) (Phosphatidylinositol polyphosphate) (Phosphate) (Phosphat	Catalog No	YP-mAb-05260
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Protein Name  72 kDa inositol polyphosphate 5-phosphatase (EC 3.1.3.36) (Phosphatidylinos 4.5-bisphosphate 5-phosphatase) (Phosphatidylinositol polyphosphate 5-phosphatase type IV)  Immunogen  Synthesized peptide derived from human protein .at AA range: 490-570  Specificity  INP5E Monoclonal Antibody detects endogenous levels of protein.  Formulation  Liquid in PBS containing 50% glycerol, 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  Observed Band  70kD  Cell Pathway  Cytoplasm, cytoskeleton, cilium axoneme . Golgi apparatus, Golgi stack membrane experipheral membrane protein ; Cytoplasmic side. Cell membrane Peripheral membrane protein ; Cytoplasmic side. Cell membrane Peripheral membrane protein ; Cytoplasmic side. Cell projection, ruffle. Cytoplasm . Nucleus . Peripheral membrane protein associated with Golgi stack Tissue Specificity  Detected in brain, heart, pancreas, testis and spleen.  Tissue Specificity  Detected in brain, heart, pancreas, testis and spleen.  Catalytic activity:1-phosphatidyl-1D-myo-inositol 4,5-bisphosphate + H(2)O = 1-phosphatidyl-1D-myo-inositol 4-phosphate + phosphate. function. Converts phosphatels, miscellaneous Active in the presence of octyl-glucoside or Triton V-10 by Lot completely inhibited by CTAB, PTM:Phosphorylated upon DNA damage, probably by ATM or ATR, sequence caution:Several sequencing problems, similarity; belongs to the inositol-1, 4,5-trisphosphate 5-phosphatase type IV family, subcellular location:Peripheral membrane protein in protein associated with Golgi stacks, tissue specificity. Detected in brain, heart, pancreas, testis and	Applications	WB
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Specificity INP5E Monoclonal Antibody detects endogenous levels of protein.  Formulation Liquid in PBS containing 50% glycerol, 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  Observed Band 70kD  Cell Pathway Cytoplasm, cytoskeleton, cilium axoneme. Golgi apparatus, Golgi stack membrane; Peripheral membrane protein; Cytoplasmic side. Cell projection, ruffle. Cytoplasm. Nucleus. Peripheral membrane protein associated with Golgi stack. Tissue Specificity Detected in brain, heart, pancreas, testis and spleen.  Function catalytic activity:1-phosphatidyl-1D-myo-inositol 4,5-bisphosphate + H(2)O = 1-phosphatidyl-1D-myo-inositol-3,4,5-triphosphate + phosphate. Plothes 3-bisphosphate (Ptldins 3,4,5-3) to Ptdlns-2D. Specific for lipid substrates, inactive towards water soluble inositol phosphates, miscellaneous. Active in the presence of octyl-glucoside or Triton Vandamage, probably by ATM or ATR., sequence caution: Several sequencing problems, similarity: Belongs to the inositol-1,4,5-trisphosphate 5-phosphates type IV familly, subcellular location: Peripheral membrane protein associated wit Golgi stacks, tissue specificity: Detected in brain, heart, pancreas, testis and	Protein Name	72 kDa inositol polyphosphate 5-phosphatase (EC 3.1.3.36) (Phosphatidylinositol 4,5-bisphosphate 5-phosphatase) (Phosphatidylinositol polyphosphate 5-phosphatase type IV)
Formulation  Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.  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  Observed Band  70kD  Cell Pathway  Cytoplasm, cytoskeleton, cilium axoneme. Golgi apparatus, Golgi stack membrane; Peripheral membrane protein; Cytoplasmic side. Cell membrane Peripheral membrane protein: Cytoplasmic side. Cell projection, ruffle. Cytoplasm. Nucleus. Peripheral membrane protein associated with Golgi stact.  Tissue Specificity  Detected in brain, heart, pancreas, testis and spleen.  Function  catalytic activity:1-phosphatidyl-1D-myo-inositol 4,5-bisphosphate + H(2)O = 1-phosphatidyl-1D-myo-inositol 4+phosphate + phosphate + function:Converts phosphates, miscellaneous:Active in the presence of octyl-glucoside or Triton X-100, but completely inhibited by CTAB. PTM:Phosphorylated upon DNA damage, probably by ATM or ATR. sequence caution: Several sequencing problems, similarity:Belongs to the inositol-1,4,5-trisphosphate 5-phosphatase type IV family, subcellular location:Peripheral membrane protein associated with Golgi stacks, tissue specificity:Detected in brain, heart, pancreas, testis and	Immunogen	Synthesized peptide derived from human protein . at AA range: 490-570
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**Background** 

The protein encoded by this gene is an inositol 1,4,5-trisphosphate (InsP3) 5-phosphatase. InsP3 5-phosphatases hydrolyze Ins(1,4,5)P3, which mobilizes intracellular calcium and acts as a second messenger mediating cell responses to various stimulation. Studies of the mouse counterpart suggest that this protein may hydrolyze phosphatidylinositol 3,4,5-trisphosphate and phosphatidylinositol 3,5-bisphosphate on the cytoplasmic Golgi membrane and thereby regulate Golgi-vesicular trafficking. Mutations in this gene cause Joubert syndrome; a clinically and genetically heterogenous group of disorders characterized by midbrain-bindbrain malformation and various associated ciliopathies that include midbrain-hindbrain malformation and various associated ciliopathies that include retinal dystrophy, nephronophthisis, liver fibrosis and polydactyly. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jan 2016],

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**