



PP5 mouse mAb

Catalog No	BYab-14211
Isotype	IgG
Reactivity	Human
Applications	WB
Gene Name	ppp5c
Protein Name	
Immunogen	Purified recombinant human PP5 protein fragments expressed in E.coli.
Specificity	This antibody detects endogenous levels of PP5 and does not cross-react with related protein
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse
Purification	The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen.
Dilution	wb 1:1000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	FLJ36922;FLJ55954;OTTHUMP00000165834;PP-T;PP5;PPP5;PPP5_HUMAN;PPP5C;PPT;Protein phosphatase 5, catalytic subunit;Protein phosphatase T;Serine/threonine protein phosphatase 5;Serine/threonine-protein phosphatase 5.
Observed Band	57kD
Cell Pathway	Nucleus . Cytoplasm . Cell membrane . Predominantly nuclear (PubMed:15383005). But also present in the cytoplasm (PubMed:15383005). Translocates from the cytoplasm to the plasma membrane in a RAC1-dependent manner (PubMed:19948726). .
Tissue Specificity	Ubiquitous.
Function	catalytic activity:A phosphoprotein + H(2)O = a protein + phosphate.,cofactor:binds 1 iron ion per subunit.,cofactor:binds 1 manganese ion per subunit.,function:May play a role in the regulation of RNA biogenesis and/or mitosis. In vitro, dephosphorylates serine residues of skeletal muscle phosphorylase and histone H1.,similarity:Belongs to the PPP phosphatase family.,similarity:Belongs to the PPP phosphatase family. PP-5 (PP-T)

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subfamily.,similarity:Contains 3 TPR repeats.,subcellular location:Predominantly nuclear. But also present in the cytoplasm.,subunit:Interacts with CDC16 and CDC27.,tissue specificity:Ubiquitous.,

Background

This gene encodes a serine/threonine phosphatase which is a member of the protein phosphatase catalytic subunit family. Proteins in this family participate in pathways regulated by reversible phosphorylation at serine and threonine residues; many of these pathways are involved in the regulation of cell growth and differentiation. The product of this gene has been shown to participate in signaling pathways in response to hormones or cellular stress, and elevated levels of this protein may be associated with breast cancer development. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2011],

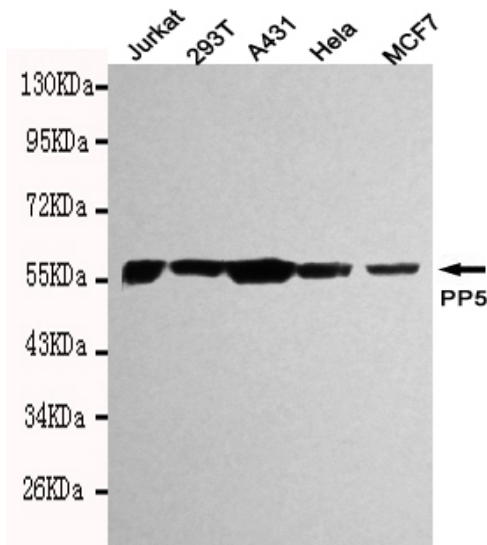
matters needing attention

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 detection of PP5 in HeLa, Jurkat, 293T, A431 and MCF7 cell lysates using PP5 mouse mAb (1:1000 diluted). Predicted band size: 57kDa. Observed band size: 57kDa.