

Immunotag™ PP5 Monoclonal Antibody

Antibody Specification	
Catalog No.	ITM1081
Product Description	Immunotag™ PP5 Monoclonal Antibody
Size	50 µg, 100 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	PP5
Clonality	Monoclonal
Storage/Stability	-20°C/1 year
Application	WB
Recommended Dilution	Western Blot: 1/1000 - 1/2000. Not yet tested in other applications.
Concentration	1 mg/ml
Reactive Species	Human,Mouse,Rat
Host Species	Mouse
Immunogen	Purified recombinant human PP5 protein fragments expressed in Ecoli
Specificity	PP5 Monoclonal Antibody detects endogenous levels of PP5 protein.
Purification	Affinity purification
Form	Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.2% sodium azide, 50% glycerol.
Gene Name	PPP5C
Accession No.	P53041 Q60676 P53042
Alternate Names	PPP5C; PPP5; Serine/threonine-protein phosphatase 5; PP5; Protein phosphatase T; PP-T; PPT

Antibody Specification

Description	protein phosphatase 5 catalytic subunit(PPP5C) Homo sapiens 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],
Cell Pathway/ Category	MAPK_ERK_Growth,MAPK_G_Protein,
Protein Expression	Cervix,Fetal brain,Muscle,Spleen,Stomach mucosa,
Subcellular Localization	nucleus,nucleoplasm,cytoplasm,cytosol,plasma membrane,perikaryon,intracellular membrane-bounded organelle,protein complex,cell periphery,proximal dendrite,
Protein 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) 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.,
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.