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PPA1 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant PPA1.
Catalog # AT3391a

Product Information

Application	WB, E
Primary Accession	Q15181
Other Accession	NM_021129
Reactivity	Human, Rat
Host	mouse
Clonality	monoclonal
Isotype	IgG1 Kappa
Clone Names	3B2
Calculated MW	32660

Additional Information

Gene ID	5464
Other Names	Inorganic pyrophosphatase, Pyrophosphate phospho-hydrolase, PPase, PPA1, IOPPP, PP
Target/Specificity	PPA1 (NP_066952, 10 a.a. ~ 111 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 E~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	PPA1 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

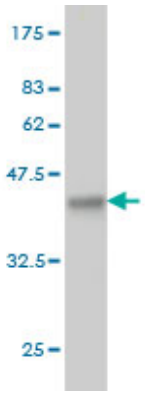
The protein encoded by this gene is a member of the inorganic pyrophosphatase (PPase) family. PPases catalyze the hydrolysis of pyrophosphate to inorganic phosphate, which is important for the phosphate metabolism of cells. Studies of a similar protein in bovine suggested a cytoplasmic localization of this enzyme.

References

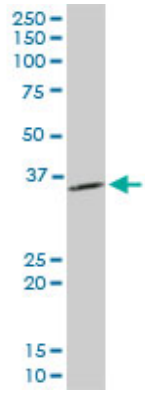
Localization of the structural genes for hexokinase-1 and inorganic pyrophosphatase on region (pter-->q24) of human chromosome 10. Chern CJ. Cytogenet Cell Genet, 1976. PMID 17494625.[Identification of the

proteins interacting with neuroprotective peptide humanin in a yeast two-hybrid system] Maksimov VV, et al. Genetika, 2006 Feb. PMID 16583711.Proteomic analysis of SUMO4 substrates in HEK293 cells under serum starvation-induced stress. Guo D, et al. Biochem Biophys Res Commun, 2005 Dec 2. PMID 16236267.A human protein-protein interaction network: a resource for annotating the proteome. Stelzl U, et al. Cell, 2005 Sep 23. PMID 16169070.Proteomics of human umbilical vein endothelial cells applied to etoposide-induced apoptosis. Bruneel A, et al. Proteomics, 2005 Oct. PMID 16130169.

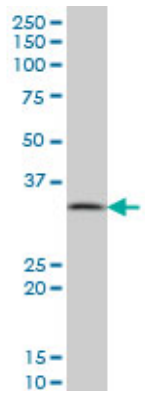
Images



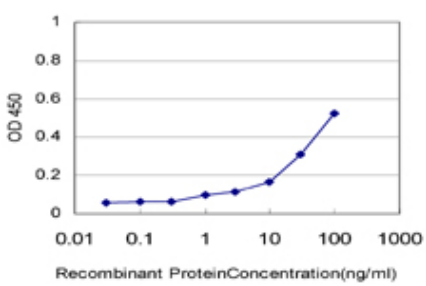
Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (36.96 KDa) .



PPA1 monoclonal antibody (M01), clone 3B2. Western Blot analysis of PPA1 expression in PC-12 ((Cat # AT3391a)



PPA1 monoclonal antibody (M01), clone 3B2 Western Blot analysis of PPA1 expression in A-431 ((Cat # AT3391a)



Detection limit for recombinant GST tagged PPA1 is approximately 1ng/ml as a capture antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.