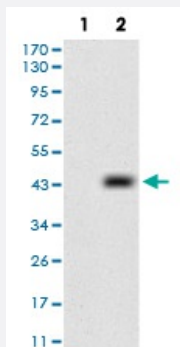


PTP4A2 monoclonal antibody, clone 5B6F4

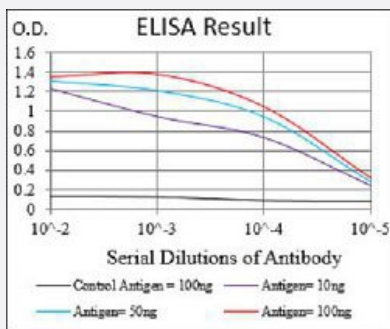
Catalog # MAB17779 Size 100 ug

Applications



Western Blot (Transfected lysate)

Western blot analysis of (1) HEK293 cells, (2) PTP4A2-hlgGfc transfected HEK293 cell lysate with PTP4A2 monoclonal antibody.



Enzyme-linked Immunoabsorbent Assay

ELISA analysis of PTP4A2 monoclonal antibody, clone 5B6F4.

Specification

Product Description	Mouse monoclonal antibody raised against recombinant human PTP4A2.
Immunogen	Recombinant protein corresponding to amino acids 58-162 of human PTP4A2 from <i>E. coli</i> .
Host	Mouse
Theoretical MW (kDa)	19.1
Reactivity	Human
Form	Liquid
Isotype	IgG2b

Recommend Usage	ELISA (1:10000) Flow Cytometry Immunocytochemistry Immunohistochemistry Western Blot (1:500-1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.05% sodium azide).
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Transfected lysate)

Western blot analysis of (1) HEK293 cells, (2) PTP4A2-hlgGfc transfected HEK293 cell lysate with PTP4A2 monoclonal antibody.

- Enzyme-linked Immunoabsorbent Assay

ELISA analysis of PTP4A2 monoclonal antibody, clone 5B6F4.

Gene Info — PTP4A2

Entrez GeneID	8073
Gene Name	PTP4A2
Gene Alias	HH13, HH7-2, HU-PP-1, OV-1, PRL-2, PRL2, PTP4A, PTPCAAX2, ptp-IV1a, ptp-IV1b
Gene Description	protein tyrosine phosphatase type IVA, member 2
Omim ID	601584
Gene Ontology	Hyperlink

Gene Summary

The protein encoded by this gene belongs to a small class of the protein tyrosine phosphatase (PTP) family. PTPs are cell signaling molecules that play regulatory roles in a variety of cellular processes. PTPs in this class contain a protein tyrosine phosphatase catalytic domain and a characteristic C-terminal prenylation motif. This PTP has been shown to primarily associate with plasmic and endosomal membrane through its C-terminal prenylation. This PTP was found to interact with the beta-subunit of Rab geranylgeranyltransferase II (beta GGT II), and thus may function as a regulator of GGT II activity. Overexpression of this gene in mammalian cells conferred a transformed phenotype, which suggested its role in tumorigenesis. Alternatively spliced transcript variants that encode two distinct isoforms have been described. [provided by RefSeq]

Other Designations

OTTHUMP00000003902|phosphatase of regenerating liver 2|protein tyrosine phosphatase IVA|protein tyrosine phosphatase IVA2