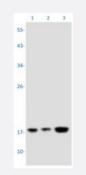


RecomAb™

PTP4A2 recombinant monoclonal antibody, clone R02-1H6

Catalog # RAB04460 Size 100 uL

Applications



Western Blot

Western blot analysis of Lane 1: HeLa whole cell lysate, Lane 2: A549 whole cell lysate and Lane 3: HL-60 whole cell lysate with PTP4A2 recombinant monoclonal antibody, clone R02-1H6 (Cat # RAB04460).

Specification	
Product Description	Rabbit recombinant monoclonal antibody raised against human PTP4A2.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to human PTP4A2.
Theoretical MW (kDa)	Calculated MW: 19 kD
Reactivity	Human
Form	Liquid
Purification	Affinity chromatography
Isotype	lgG
Recommend Usage	Immunoprecipitation (1:20) Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In 50mM Tris-Glycine, 150mM NaCl, pH 7.4 (40% glycerol, 0.05% BSA and 0.01% Sodium azide)

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Product Information

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 shoul d be handled by trained staff only.

Applications

Western Blot

Western blot analysis of Lane 1: HeLa whole cell lysate, Lane 2: A549 whole cell lysate and Lane 3: HL-60 whole cell lysate with PTP4A2 recombinant monoclonal antibody, clone R02-1H6 (Cat # RAB04460).

Immunoprecipitation

Gene Info — PTP4A2

Entrez GenelD	<u>8073</u>
Protein Accession#	<u>Q12974</u>
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	<u>601584</u>
Gene Ontology	<u>Hyperlink</u>
Gene Summary	The protein encoded by this gene belongs to a small class of the protein tyrosine phosphatase (P TP) family. PTPs are cell signaling molecules that play regulatory roles in a variety of cellular proc esses. PTPs in this class contain a protein tyrosine phosphatase catalytic domain and a characte ristic C-terminal prenylation motif. This PTP has been shown to primarily associate with plasmic a nd endosomal membrane through its C-terminal prenylation. This PTP was found to interact with t he beta-subunit of Rab geranylgeranyltransferase II (beta GGT II), and thus may function as a regul ator of GGT II activity. Overexpression of this gene in mammalian cells conferred a transformed ph enotype, which suggested its role in tumorigenesis. Alternatively spliced transcript variants that en code two distinct isoforms have been described. [provided by RefSeq
Other Designations	OTTHUMP00000003902 phosphatase of regenerating liver 2 protein tyrosine phosphatase IVA p rotein tyrosine phosphatase IVA2