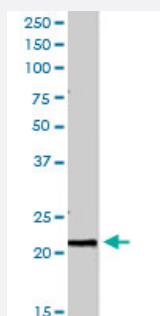


PTP4A1 polyclonal antibody

Catalog # PAB6077

Size 100 ug

Applications



Western Blot (Cell lysate)

PTP4A1 polyclonal antibody (Cat # PAB6077) staining (1 ug/mL) of A-549 lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Specification

Product Description Goat polyclonal antibody raised against synthetic peptide of PTP4A1.

Immunogen A synthetic peptide corresponding to human PTP4A1.

Sequence KDSNGHRNNCCIQ

Host Goat

Theoretical MW (kDa) 19.8

Reactivity Human

Form Liquid

Purification Antigen affinity purification

Concentration 0.5 mg/mL

Quality Control Testing Antibody Reactive Against Synthetic Peptide.

Recommend Usage
 ELISA (1:2000)
 Western Blot (1-3 ug/mL)
 The optimal working dilution should be determined by the end user.

Storage Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)
Storage Instruction	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 (Cell lysate)

PTP4A1 polyclonal antibody (Cat # PAB6077) staining (1 ug/mL) of A-549 lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

- Enzyme-linked Immunoabsorbent Assay

Gene Info — PTP4A1

Entrez GeneID	7803
Protein Accession#	NP_003454.1
Gene Name	PTP4A1
Gene Alias	DKFZp779M0721, HH72, PRL-1, PRL1, PTP(CAAX1), PTPCAAX1
Gene Description	protein tyrosine phosphatase type IVA, member 1
Omim ID	601585
Gene Ontology	Hyperlink

Gene Summary	The protein encoded by this gene belongs to a small class of prenylated protein tyrosine phosphatases (PTPs), which contains a PTP domain and a characteristic C-terminal prenylation motif. PTPs are cell signaling molecules that play regulatory roles in a variety of cellular processes. This tyrosine phosphatase is a nuclear protein, but may primarily associate with plasma membrane. The surface membrane association of this protein depends on its C-terminal prenylation. Overexpression of this gene in mammalian cells conferred a transformed phenotype, which implicated its role in the tumorigenesis. Studies in rat suggested that this gene may be an immediate-early gene in mitogen-stimulated cells. [provided by RefSeq]
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Other Designations	OTTHUMP00000016675 Protein tyrosine phosphatase IVA1 protein tyrosine phosphatase type IVA protein 1
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Publication Reference

- [The gene encoding human nuclear protein tyrosine phosphatase, PRL-1. Cloning, chromosomal localization, and identification of an intron enhancer.](#)

Peng Y, Genin A, Spinner NB, Diamond RH, Taub R.

The Journal of Biological Chemistry 1998 Jul; 273(27):17286.

Disease

- [Genetic Predisposition to Disease](#)
- [Lymphoma](#)
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