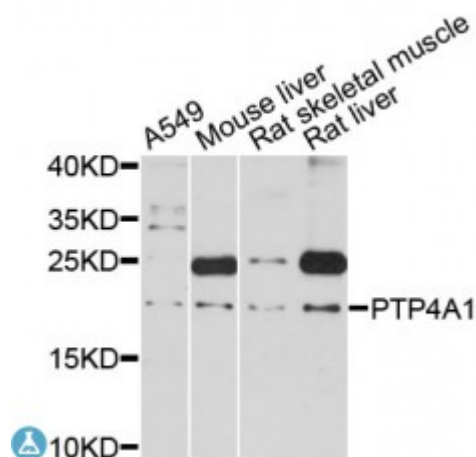


Anti-PTP4A1 Antibody



Description

This gene encodes a member of a small class of prenylated protein tyrosine phosphatases (PTPs), which contain a PTP domain and a characteristic C-terminal prenylation motif. The encoded protein is a cell signaling molecule that plays regulatory roles in a variety of cellular processes, including cell proliferation and migration. The protein may also be involved in cancer development and metastasis. This tyrosine phosphatase is a nuclear protein, but may associate with plasma membrane by means of its prenylation motif. Pseudogenes related to this gene are located on chromosomes 1, 2, 5, 7, 11 and X.

Model	STJ114238
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	WB
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 1-173 of human PTP4A1 (NP_003454.1).
Gene ID	7803
Gene Symbol	PTP4A1
Dilution range	WB 1:500 - 1:2000
Tissue Specificity	Expressed in bone marrow, lymph nodes, T lymphocytes, spleen, thymus and tonsil, Overexpressed in tumor cell lines
Purification	Affinity purification
Note	For Research Use Only (RUO).

Protein Name	Protein tyrosine phosphatase type IVA 1
Molecular Weight	19.815 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage Instruction	Store at -20C. Avoid freeze / thaw cycles.
Database Links	HGNC:9634OMIM:601585
Alternative Names	Protein tyrosine phosphatase type IVA 1
Function	Protein tyrosine phosphatase which stimulates progression from G1 into S phase during mitosis, May play a role in the development and maintenance of differentiating epithelial tissues, Enhances cell proliferation, cell motility and invasive activity, and promotes cancer metastasis,
Cellular Localization	Cell membrane, Early endosome, Endoplasmic reticulum, Cytoplasm, Cytoplasm, cytoskeleton, spindle,
Post-translational Modifications	Farnesylated, Farnesylation is required for membrane targeting, Unfarnesylated forms are shifted into the nucleus

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