

ARG63161 anti-PTP4A1 / PRL1 antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes PTP4A1 / PRL1
Tested Reactivity	Hu
Predict Reactivity	Ms, Rat, Dog
Tested Application	WB
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	PTP4A1 / PRL1
Species	Human
Immunogen	KDSNGHRNNCCIQ
Conjugation	Un-conjugated
Alternate Names	HH72; PTPCAAX1; Protein tyrosine phosphatase type IVA 1; PTP(CAAX1); PRL1; PRL-1; CAAXI; Protein-tyrosine phosphatase of regenerating liver 1; Protein-tyrosine phosphatase 4a1; EC 3.1.3.48; PTP

Application Instructions

Application table	Application	Dilution
	WB	1 - 3 µg/ml

Application Note
WB: Recommend incubate at RT for 1h.
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links

[GeneID: 7803 Human](#)

[Swiss-port # Q93096 Human](#)

Background

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, Jul 2008]

Research Area

Signaling Transduction antibody

Calculated Mw

20 kDa

PTM

Farnesylated. Farnesylation is required for membrane targeting. Unfarnesylated forms are shifted into the nucleus.

Images



ARG63161 anti-PTP4A1 / PRL1 antibody WB image

Western blot: A549 lysate (35 µg protein in RIPA buffer) stained with ARG63161 anti-PTP4A1 / PRL1 antibody at 1 µg/ml dilution.