

ARG63161 anti-PTP4A1 / PRL1 antibody

Package: 100 µg
Store at: -20°C

Summary

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|---------------------|---|
| 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

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| 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

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| 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.