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PTPrho Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP8420a

Specification

PTPrho Antibody (N-term) Blocking Peptide - Product Information

Primary Accession O14522

PTPrho Antibody (N-term) Blocking Peptide - Additional Information

Gene ID 11122

Other Names
Receptor-type tyrosine-protein phosphatase T, R-PTP-T, Receptor-type tyrosine-protein phosphatase rho, RPTP-rho, PTPRT, KIAA0283

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP8420a was selected from the N-term region of human PTPrho . A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

PTPrho Antibody (N-term) Blocking Peptide - Protein Information

Name PTPRT

Synonyms KIAA0283

Function
May be involved in both signal transduction and cellular adhesion in the CNS.

Cellular Location
Membrane; Single-pass type I membrane protein.

Tissue Location
Expressed in colon, lung, heart and testis, as well as in fetal and adult brain. Not detected in muscle and peripheral blood leukocytes.

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PTPrho Antibody (N-term) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides

PTPrho Antibody (N-term) Blocking Peptide - Images

PTPrho Antibody (N-term) Blocking Peptide - Background

PTPrho is a member of the protein tyrosine phosphatase (PTP) family. PTPs are known to be signaling molecules that regulate a variety of cellular processes including cell growth, differentiation, mitotic cycle, and oncogenic transformation. This PTP possesses an extracellular region, a single transmembrane region, and two tandem intracellular catalytic domains, and thus represents a receptor-type PTP. The extracellular region contains a meprin-A5 antigen-PTP (MAM) domain, Ig-like and fibronectin type III-like repeats. The protein domain structure and the expression pattern of the mouse counterpart of this PTP suggest its roles in both signal transduction and cellular adhesion in the central nervous system.

PTPrho Antibody (N-term) Blocking Peptide - References

McAndrew, P.E., et al., J. Comp. Neurol. 391(4):444-455 (1998).Hillier, L.D., et al., Genome Res. 6(9):807-828 (1996).McAndrew, P.E., et al., Brain Res. Mol. Brain Res. 56 (1-2), 9-21 (1998).Besco, J.A., et al., BMC Genomics 2 (1), 1 (2001).