

PTPRD Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP9589a**Specification****PTPRD Antibody (N-term) Blocking Peptide - Product Information**Primary Accession [P23468](#)**PTPRD Antibody (N-term) Blocking Peptide - Additional Information**

Gene ID 5789

Other Names

Receptor-type tyrosine-protein phosphatase delta, Protein-tyrosine phosphatase delta, R-PTP-delta, PTPRD

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.

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

Name PTPRD

Function

Can bidirectionally induce pre- and post-synaptic differentiation of neurons by mediating interaction with IL1RAP and IL1RAPL1 trans-synaptically. Involved in pre-synaptic differentiation through interaction with SLITRK2.

Cellular Location

Membrane; Single-pass type I membrane

PTPRD Antibody (N-term) Blocking Peptide - Background

PTPRD 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 contains an extracellular region, a single transmembrane segment and two tandem intracytoplasmic catalytic domains, and thus represents a receptor-type PTP. The extracellular region of this protein is composed of three Ig-like and eight fibronectin type III-like domains. Studies of the similar genes in chicken and fly suggest the role of this PTP is in promoting neurite growth, and regulating neurons axon guidance.

PTPRD Antibody (N-term) Blocking Peptide - References

Wallace, M.J., et al. Mol. Cell. Biol. 18(5):2608-2616(1998)
Ulido, R., et al. Proc. Natl. Acad. Sci. U.S.A. 92(25):11686-11690(1995)
Ulido, R., et al. J. Biol. Chem. 270(12):6722-6728(1995)
Rueger, N.X., et al. EMBO J. 9(10):3241-3252(1990)

protein.

PTPRD Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)