

PTPRG Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP14809c

Specification

PTPRG Antibody (Center) Blocking Peptide - Product Information

Primary Accession [P23470](#)

PTPRG Antibody (Center) Blocking Peptide - Additional Information

Gene ID 5793

Other Names

Receptor-type tyrosine-protein phosphatase gamma, Protein-tyrosine phosphatase gamma, R-PTP-gamma, PTPRG, PTPG

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.

PTPRG Antibody (Center) Blocking Peptide - Protein Information

Name PTPRG

Synonyms PTPG

Function

Possesses tyrosine phosphatase activity.

Cellular Location

Membrane; Single-pass type I membrane protein

Tissue Location

Found in a variety of tissues.

PTPRG Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

PTPRG Antibody (Center) Blocking Peptide - Images**PTPRG Antibody (Center) Blocking Peptide - Background**

The protein encoded by this gene 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 intracytoplasmic catalytic domains, and thus represents a receptor-type PTP. The extracellular region of this PTP contains a carbonic anhydrase-like (CAH) domain, which is also found in the extracellular region of PTPRBETA/ZETA. This gene is located in a chromosomal region that is frequently deleted in renal cell carcinoma and lung carcinoma, thus is thought to be a candidate tumor suppressor gene.

PTPRG Antibody (Center) Blocking Peptide - References

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :Shu, S.T., et al. Anticancer Res. 30(6):1937-1946(2010) Joslyn, G., et al. Alcohol. Clin. Exp. Res. 34(5):800-812(2010) Bouyain, S., et al. Proc. Natl. Acad. Sci. U.S.A. 107(6):2443-2448(2010) Shi, J., et al. Mol. Psychiatry (2010) In press :