

PTP gamma Antibody (Center) Blocking peptide
Synthetic peptide
Catalog # BP8414a

Specification

PTP gamma Antibody (Center) Blocking peptide - Product Information

Primary Accession [P23470](#)

PTP gamma 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

Target/Specificity

The synthetic peptide sequence used to generate the antibody AP8414a was selected from the Center region of human PTPgamma . 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.

PTP gamma 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.

PTP gamma Antibody (Center) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

PTP gamma Antibody (Center) Blocking peptide - Images

PTP gamma Antibody (Center) Blocking peptide - Background

PTPgamma 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. The 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.

PTP gamma Antibody (Center) Blocking peptide - References

Liu, S., et al., Breast Cancer Res. Treat. 71(1):21-35 (2002).Kastury, K., et al., Genomics 32(2):225-235 (1996).Barnea, G., et al., Mol. Cell. Biol. 13(3):1497-1506 (1993).LaForgia, S., et al., Proc. Natl. Acad. Sci. U.S.A. 88(11):5036-5040 (1991).Krueger, N.X., et al., EMBO J. 9(10):3241-3252 (1990).