

**PTP gamma Antibody (Center)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP8414a**

**Specification**

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**PTP gamma Antibody (Center) - Product Information**

Application	WB,E
Primary Accession	<a href="#">P23470</a>
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	162003
Antigen Region	751-782

**PTP gamma Antibody (Center) - Additional Information**

**Gene ID** 5793

**Other Names**

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

**Target/Specificity**

This PTP gamma antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 751-782 amino acids from the Central region of human PTP gamma.

**Dilution**

WB~~1:1000

E~~Use at an assay dependent concentration.

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

PTP gamma Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

**PTP gamma Antibody (Center) - Protein Information**

**Name** PTPRG

**Synonyms** PTPG

**Function** Possesses tyrosine phosphatase activity.

**Cellular Location**

Membrane; Single-pass type I membrane protein

**Tissue Location**

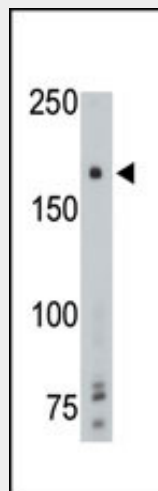
Found in a variety of tissues.

**PTP gamma Antibody (Center) - Protocols**

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**PTP gamma Antibody (Center) - Images**



The anti-PTPgamma Center Pab (Cat. #AP8414a) is used in Western blot to detect PTPgamma in mouse brain tissue lysate.

**PTP gamma Antibody (Center) - 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) - 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).