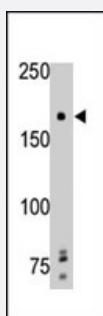


PTPRG polyclonal antibody

Catalog # PAB4092

Size 400 uL

Applications



Western Blot (Tissue lysate)

The PTPRG polyclonal antibody (Cat # PAB4092) is used in Western blot to detect PTPRG in mouse brain tissue lysate.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of PTPRG.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to internal region of human PTPRG.
Host	Rabbit
Reactivity	Human, Mouse
Form	Liquid
Purification	Protein G purification
Recommend Usage	ELISA (1:1000) Western Blot (1:100-500) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Tissue lysate)

The PTPRG polyclonal antibody (Cat # PAB4092) is used in Western blot to detect PTPRG in mouse brain tissue lysate.

- Enzyme-linked Immunoabsorbent Assay

Gene Info — PTPRG

Entrez GeneID [5793](#)

Protein Accession# [P23470](#)

Gene Name PTPRG

Gene Alias HPTPG, PTPG, R-PTP-GAMMA, RPTPG

Gene Description protein tyrosine phosphatase, receptor type, G

Omim ID [176886](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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. [provided by RefSeq]

Other Designations H_RG317H01.1|protein tyrosine phosphatase gamma|protein tyrosine phosphatase, receptor type, gamma polypeptide|receptor type protein tyrosine phosphatase gamma|receptor tyrosine phosphatase gamma|receptor-type protein phosphatase gamma

Publication Reference

- [Involvement of breast epithelial-stromal interactions in the regulation of protein tyrosine phosphatase-gamma \(PTPgamma\) mRNA expression by estrogenically active agents.](#)

Liu S, Kulp SK, Sugimoto Y, Jiang J, Chang HL, Lin YC.

Breast Cancer Research and Treatment 2002 Jan; 71(1):21.

Application: IHC, Human, Human breast cancer

- [Structure of the human receptor tyrosine phosphatase gamma gene \(PTPRG\) and relation to the familial RCC t\(3;8\) chromsome translocation.](#)

Kastury K, Ohta M, Lasota J, Moir D, Dorman T, LaForgia S, Druck T, Huebner K.

Genomics 1996 Mar; 32(2):225.

Application: IHC, WB-Ti, Human, Human renal cell carcinoma

- [Identification of a carbonic anhydrase-like domain in the extracellular region of RPTP gamma defines a new subfamily of receptor tyrosine phosphatases.](#)

Barnea G, Silvennoinen O, Shaanan B, Honegger AM, Canoll PD, D'Eustachio P, Morse B, Levy JB, Laforgia S, Huebner K, et al..

Molecular and Cellular Biology 1993 Mar; 13(3):1497.

Disease

- [Bipolar Disorder](#)
- [Kidney Failure](#)
- [Psychiatric Status Rating Scales](#)
- [Psychotic Disorders](#)
- [Tobacco Use Disorder](#)