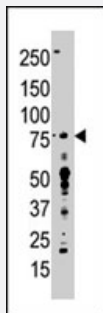


PTPRR polyclonal antibody

Catalog # PAB4084

Size 400 uL

Applications



Western Blot (Tissue lysate)

The PTPRR polyclonal antibody (Cat # PAB4084) is used in Western blot to detect PTPRR in placenta tissue lysate.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Formalin-fixed and paraffin-embedded human brain tissue reacted with PTPRR polyclonal antibody (Cat # PAB4084), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining.

This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of PTPRR.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to N-terminus of human PTPRR.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Protein G purification

Recommend Usage	ELISA (1:1000) Western Blot (1:100-500) Immunohistochemistry (1:10-50) 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)

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- Enzyme-linked Immunoabsorbent Assay

Gene Info — PTPRR

Entrez GeneID	5801
Protein Accession#	Q15256
Gene Name	PTPRR
Gene Alias	DKFZp781C1038, EC-PTP, FLJ34328, MGC131968, MGC148170, PCPTP1, PTP-SL, PTPBR7, PTPRQ
Gene Description	protein tyrosine phosphatase, receptor type, R
Omim ID	602853
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 a single intracellular catalytic domains, and thus represents a receptor-type PTP. The similar gene predominately expressed in mouse brain was found to associate with, and thus regulate the activity and cellular localization of MAP kinases. The rat counterpart of this gene was reported to be regulated by the nerve growth factor, which suggested the function of this gene in neuronal growth and differentiation. [provided by RefSeq]

Other Designations

Ch-1 PTPase|protein tyrosine phosphatase Cr1PTPase|protein-tyrosine phosphatase NC-PTPC OM1

Publication Reference

- [A novel regulatory mechanism of MAP kinases activation and nuclear translocation mediated by PKA and the PTP-SL tyrosine phosphatase.](#)

Blanco-Aparicio C, Torres J, Pulido R.

Journal of Cellular Biology 1999 Dec; 147(6):1129.

Application: IF, Human, COS-7 cells

- [Cloning and expression of PCPTP1 encoding protein tyrosine phosphatase.](#)

Shiozuka K, Watanabe Y, Ikeda T, Hashimoto S, Kawashima H.

Gene 1995 Sep; 162(2):279.

Application: WB-Tr, Rat, Rat pheochromocytoma subcloned (PC12h) cells

- [cDNA cloning and characterization of a novel receptor-type protein tyrosine phosphatase expressed predominantly in the brain.](#)

Ogata M, Sawada M, Fujino Y, Hamaoka T.

The Journal of Biological Chemistry 1995 Feb; 270(5):2337.

Pathway

- [MAPK signaling pathway](#)

Disease

- [Kidney Failure](#)
- [Tobacco Use Disorder](#)