

PTPRB Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP58204**Specification**

PTPRB Polyclonal Antibody - Product Information

Application	IHC-P, IHC-F, IF, ICC
Primary Accession	P23467
Reactivity	Rat, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	224301

PTPRB Polyclonal Antibody - Additional Information**Gene ID** 5787**Other Names**

Receptor-type tyrosine-protein phosphatase beta, Protein-tyrosine phosphatase beta, R-PTP-beta, 3.1.3.48, Vascular endothelial protein tyrosine phosphatase, VE-PTP, PTPRB, PTPB

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

PTPRB Polyclonal Antibody - Protein Information**Name** PTPRB**Synonyms** PTPB**Function**

Plays an important role in blood vessel remodeling and angiogenesis. Not necessary for the initial formation of blood vessels, but is essential for their maintenance and remodeling. Can induce dephosphorylation of TEK/TIE2, CDH5/VE-cadherin and KDR/VEGFR-2. Regulates angiopoietin-TIE2 signaling in endothelial cells. Acts as a negative regulator of TIE2, and controls TIE2 driven endothelial cell proliferation, which in turn affects blood vessel remodeling during embryonic development and determines blood vessel size during perinatal growth. Essential for the maintenance of endothelial cell contact integrity and for the adhesive function of VE-cadherin in endothelial cells and this requires the presence of plakoglobin (By similarity).

Cellular Location

Membrane; Single-pass type I membrane protein

PTPRB Polyclonal Antibody - 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](#)

PTPRB Polyclonal Antibody - Images