

Rabbit PDGF Polyclonal Antibody | anti-PDGF antibody

Rabbit anti PDGF Polyclonal antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA71430	Rabbit	Human, Rat, Mouse	Immunohistochemistry, Immunoprecipitation, ELISA, Western Blot

PRODUCT SYNONYMS

PDGF; Polyclonal Antibody; Rabbit anti PDGF Polyclonal antibody; Rabbit anti-PDGF; Platelet-Derived Growth Factor (PDGF); anti-PDGF antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Rat, Mouse
Clonality	Polyclonal
Specificity	This antibody recognizes ~23 kDa of human PDGF protein. The other species are not tested.
Purity/Purification	The Rabbit IgG is purified by Epitope Affinity Purification.
Form/Format	This affinity purified antibody is supplied in sterile Phosphate buffered saline (pH7.2) containing antibody stabilizer
Concentration	Size: 100 ug/200 ul (varies by lot)
Applicable Applications for anti-PDGF antibody	IHC (Immunohistochemistry), IP (Immunoprecipitation), ELISA, WB (Western Blot)
Antigen Preparation	A fusion recombinant protein derived from E Coli, containing 196aa- full length of human PDGF protein
Positive Control	Kidney Tissue
Cellular Location	Cell Membrane
Preparation and Storage	Store at -20 degree C to -70 degree C. The antibodies can be stored at 2 degree C-8 degree C for three months without detectable loss of activity. Avoid repeated freezing-thawing cycles.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemistry: Human Tonsil (FFPE) stained with Rabbit anti-PDGF-alpha (Cat# AAA71430) at 1:200 for 10 min RT. Staining of formalin-fixed tissue requires boiling tissue sections in 10 mM Citrate Buffer, pH 6.0 for 10 min followed by cooling at RT for 20 min



WB (Western Blot)

Western Blot: Samples derived from the recombinant protein PDGF-GST (lane 1), mouse embryo tissue (lane 2), LS174T (lane 3) were resolved onto 12% SDS-PAGE, transferred to NC membrane, followed by an immunoblotting with Rabbit anti-PDGF (Cat# AAA71430) at 1:500. An immunoreactive protein at ~50 kDa (GST- PDGF fusion protein) or 23 kDa was observed.

ADDITIONAL INFORMATION

Related Product Information for anti-PDGF antibody

The platelet-derived growth factor (PDGF) family of disulfide-linked dimeric proteins consists of homo/hetero dimeric proteins, PDGF-AA, -BB, -CC, -DD and -AB. The PDGF-AA, -BB and AB bind to alpha type receptor, while beta type receptors bind to PDGF-BB and PDGF-AB. Upon activation by PDGF, the receptors get dimerised and autophosphorylated in several sites on its receptors (Receptor tyrosine kinase) in cytosolic domain to trigger cell signaling through PI3K pathway. All PDGF isoforms are synthesized as inactive precursors and are processed to active forms.

References

Chen WY, et al (2004) Identification and validation of PDGF transcriptional targets by microarray-coupled genetrapped mutagenesis. Nat Genet. 36 (3):304-12.

NCBI AND UNIPROT INFORMATION

Molecular Weight

23 kDa

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/pdgf-antibody-immunohistochemistry-immunoprecipitation-western-blot-elisa/71430>