



Rabbit anti PDGF Polyclonal Antibody

Alternative Name(s): platelet-derived growth factor, alpha polypeptide; PDGFA

Order Information

- **Description:** PDGF
- **Catalogue:** 500-3894
- **Lot:** See label
- **Size:** 100ug/200ul
- **Host:** Rabbit
- **Clone:** nan
- **Application:** IHC(P), WB, IF
- **Reactivity:** Hu, Rt, Ms

ANTIGEN PREPARATION

A fusion recombinant protein derived from E Coli, containing 196aa- full length of human PDGF protein

BACKGROUND

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.

PURIFICATION

The Rabbit IgG is purified by Epitope Affinity Purification

FORMULATION

This affinity purified antibody is supplied in sterile Phosphatebuffered saline (pH7.2) containing antibody stabilizer

SPECIFICITY

This antibody recognizes ~23 kDa of human PDGF protein. The other species are not tested.

STORAGE

The antibodies are stable for 24 months from date of receipt when stored at -20oC to -70oC. The antibodies can be stored at 2oC-8oC for three month without detectable loss of activity. Avoid repeated freezing-thawing cycles.

APPLICATIONS/SUGGESTED WORKING DILUTIONS*

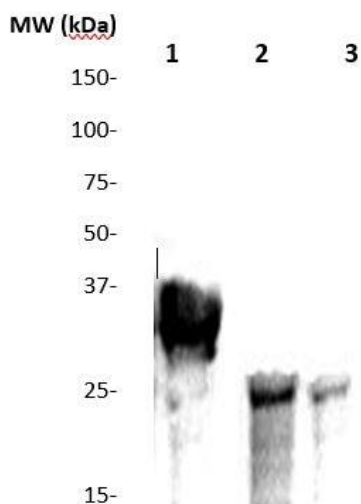
- Western Blot: 0.1-1 µg/ml
- ELISA: 0.01-0.1 µg/ml
- Immunoprecipitation: 2-5 µg/ml
- IHC: 2-10 µg/ml
- Flow cytometry: Not tested
- Molecular Weight: 23.0
- Positive Control: Kidney Tissue
- Cellular Location: Cell Membrane

*Optimal dilutions should be determined by researchers for the specific applications.

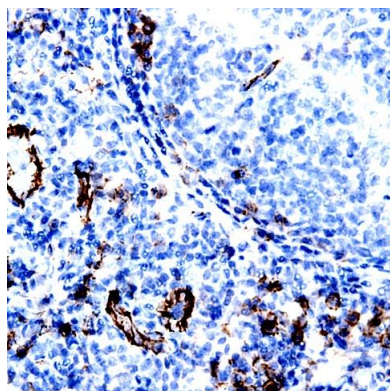
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AbboMax, Inc 2528 Qume Drive, Suite 8, San Jose, California 95131, USA
1 408-573-1898 (Tel). 1 408-573-1858 (Fax). www.abbomax.com info@abbomax.com

DATA ATTACHMENTS



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# 500-3894) at 1:500. An immunoreactive protein at ~50 kDa (GST-PDGF fusion protein) or 23 kDa was observed.



Immunohistochemistry: Human Tonsil (FFPE) stained with Rabbit anti-PDGF-alpha (Cat# 500-3894) 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.

REFERENCES

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