

AbboMax, Inc

Innovation at Work

Rabbit anti PDGF Polyclonal Antibody

Alternate Names: Platelet-Derived Growth Factor (PDGF)

Order Information

Description: Rabbit anti-PDGF
Catalogue#: 500-3894
Lot#: See the label
Size: 100 ug/200 ul
Host: Rabbit
Clone: N/A
Application: WB, IHC, 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 alyphosphorylated 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.

SPECIFICITY

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

FORMULATION

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

STORAGE

The antibodies are stable for 12 months from date of receipt when stored at -20°C to -70°C. The antibodies can be stored at 2°C-8°C for three month without detectable loss of activity. Avoid repeated freezing-thawing cycles.

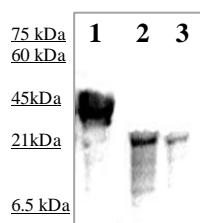
APPLICATIONS/SUGGESTED WORKING DILUTIONS

Western Blot	0.1-1 µg/ml
ELISA	0.01-0.1 µg/ml
Immunoprecipitation	2-5 µg/ml
IHC	2-5 µg/ml
Flow cytometry	Not tested

MOLECULAR WEIGHT:	23 kDa
POSITIVE CONTROL:	Full length PDGF recombinant protein
CELLULAR LOCATION:	N/A

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

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.

REFERENCES

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

FOR RESEARCH USE ONLY.

AbboMax, Inc 1161 Ringwood Ct. Suite 100, San Jose, California 95131, USA
1 408-321-9898 (Tel). 1 408-321-9896 (Fax). 1-866-628-9898 www.abbomax.com info@abbomax.com