

Rabbit PDGFA Polyclonal Antibody | anti-PDGFA antibody

PDGFA Antibody

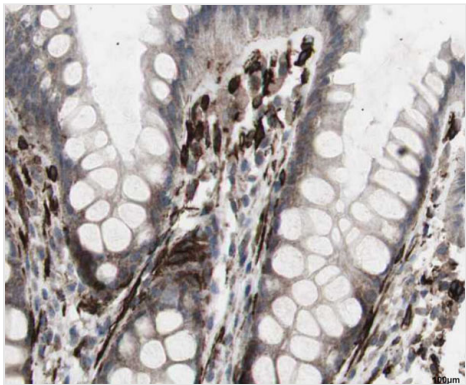
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA321849	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

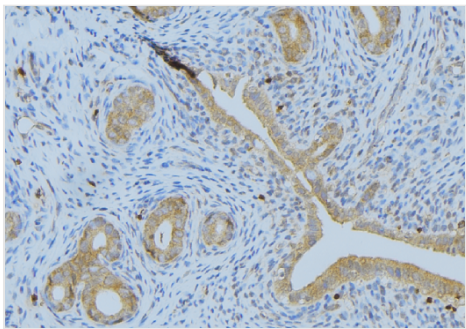
PDGFA; Polyclonal Antibody; PDGFA Antibody; PDGF A; PDGF A chain; PDGF subunit A; PDGF-1; PDGF1; PDGFA_HUMAN; Platelet derived growth factor alpha chain; Platelet derived growth factor alpha isoform 2 preproprotein; Platelet derived growth factor alpha polypeptide; Platelet-derived growth factor A chain; Platelet-derived growth factor alpha polypeptide; Platelet-derived growth factor subunit A; anti-PDGFA antibody

PRODUCT SPECIFICATIONS

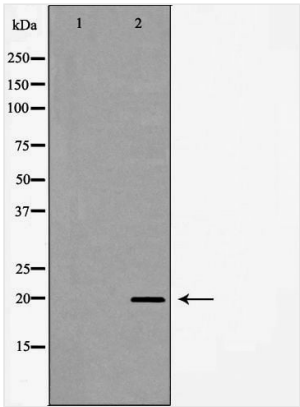
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	PDGFA antibody detects endogenous levels of total PDGFA
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	211
Applicable Applications for anti-PDGFA antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human PDGFA
Subcellular Location	Secreted.
Predicted Cross Reactivity	Pig, Bovine, Rabbit, Dog, Xenopus
Similarity	Pig (100%), Bovine (87%), Rabbit (100%), Dog (93%), Xenopus (93%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



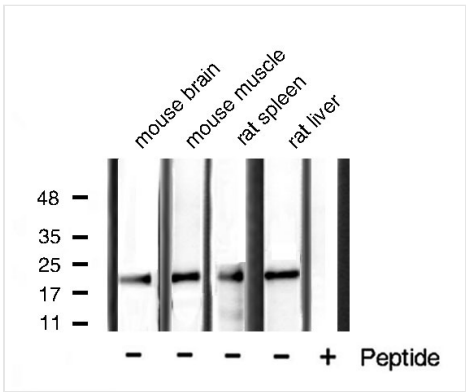
IHC (Immunohistochemistry)
AAA321849 at 1/100 staining human colon tissues sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 124 degree



IHC (Immunohistochemistry)
AAA321849 at 1/100 staining Human uterus tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)
Western blot analysis of PDGFA expression in Jurkat cells, The lane on the left is treated with the antigen-specific peptide.



WB (Western Blot)
Western blot analysis of extracts of various tissue, using PDGFA antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-PDGFA antibody

Function: Growth factor that plays an essential role in the regulation of embryonic development, cell proliferation, cell migration, survival and chemotaxis. Potent mitogen for cells of mesenchymal origin. Required for normal lung alveolar septum formation during embryogenesis, normal development of the gastrointestinal tract, normal development of Leydig cells and spermatogenesis. Required for normal oligodendrocyte development and normal myelination in the spinal cord and cerebellum. Plays an important role in wound healing. Signaling is modulated by the formation of heterodimers with PDGFB (By similarity).

Subunit Structure: Homodimer; antiparallel disulfide-linked dimer. Heterodimer with PDGFB; antiparallel disulfide-linked dimer. The PDGFA homodimer interacts with PDGFRA homodimers, and with heterodimers formed by PDGFRA and PDGFRB. The heterodimer composed of PDGFA and PDGFB interacts with PDGFRA homodimers, and with heterodimers formed by PDGFRA and PDGFRB. Interacts with CSPG4.

Similarity: The long form contains a basic insert which acts as a cell retention signal. Belongs to the PDGF/VEGF growth factor family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	77695917
NCBI GeneID	5154
NCBI Accession #	NP_002598.4
NCBI GenBank Nucleotide #	NM_002607.5
UniProt Accession #	P04085; B5BU73

Molecular Weight	Observed: 24 kDa Predicted: 25 kDa
NCBI Official Full Name	platelet-derived growth factor subunit A isoform 1 preproprotein
NCBI Official Synonym Full Names	platelet derived growth factor subunit A
NCBI Official Symbol	PDGFA
NCBI Official Synonym Symbols	PDGF1; PDGF-A
NCBI Protein Information	platelet-derived growth factor subunit A
UniProt Protein Name	Platelet-derived growth factor subunit A
UniProt Gene Name	PDGFA
UniProt Synonym Gene Names	PDGF1; PDGF subunit A

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/pdgfa-antibody-immunohistochemistry-western-blot-elisa/321849>