

Rabbit PDGFB Polyclonal Antibody | anti-PDGFB antibody

PDGFB antibody - N-terminal region

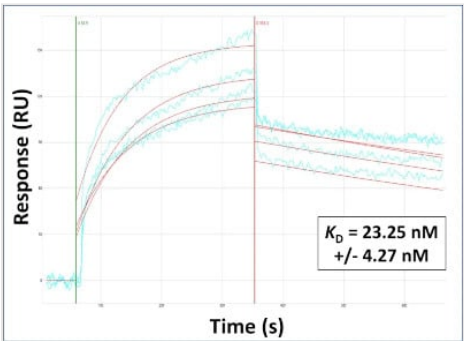
CATALOG # AAA23582	HOST Rabbit	REACTIVITY Cow, Dog, Guinea Pig, Human, Mouse, Rat, Sheep	APPLICATIONS Western Blot, Immunohistochemistry
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PRODUCT SYNONYMS

PDGFB; Polyclonal Antibody; PDGFB antibody - N-terminal region; anti-PDGFB antibody

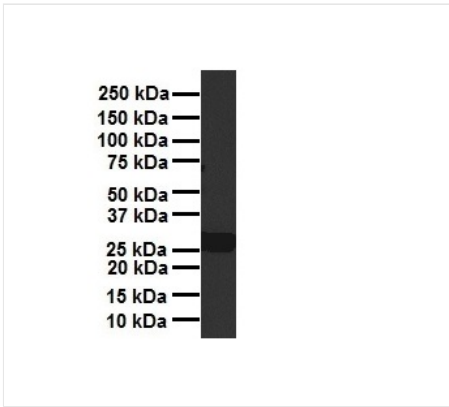
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Cow, Dog, Guinea Pig, Human, Mouse, Rat, Sheep
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Concentration	0.5mg/mL (varies by lot)
Sequence	Synthetic peptide with the following sequence: NR CWALFLSLCC YLRLVSAEGD PIPEELYEML SDHSIRSFDD LQRLHGD
Sequence Length	241
Applicable Applications for anti-PDGFB antibody	WB (Western Blot), IHC (Immunohistochemistry)
Homology	Cow: 100%; Dog: 100%; Guinea Pig: 100%; Human: 100%; Mouse: 100%; Rat: 100%; Sheep: 100%
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human PDGFB
Protein Size (#AA)	241 amino acids
Protein Interactions	COL6A1; COL5A1; COL4A1; COL3A1; COL2A1; COL1A2; COL1A1; LYVE1; NRP1; ADIPOQ; MDFI; PDAP1; ART1; PDGFB; HRAS; THBS1; PDGFRA; PDGFRB; HSPG2; LRP1; A2M; SPARC;
Sample Type Confirmation	There is BioGPS gene expression data showing that PDGFB is expressed in HEK293T
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

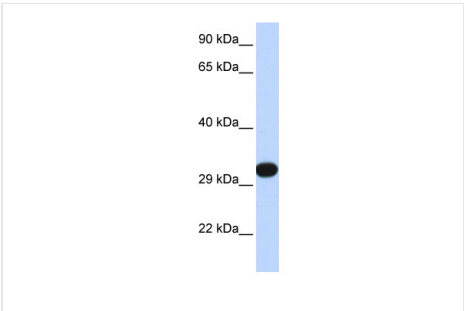


Application Data

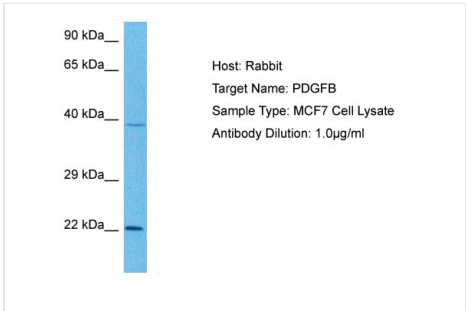
Surface Plasmon Resonance Kinetic Characterization of Polyclonal Antibody Affinity. Purified polyclonal antibodies were immobilized on a Protein A/G coated Carterra LSA sensor chip at concentrations of 5, and 50 ug/mL in duplicate. Antibodies on the surface were exposed to interaction with peptides sequentially via microfluidic controlled flow at 333nM peptide concentration for kinetic characterization of the binders for affinity and specificity, followed by curve fitting using the Kinetics software. Kd determinations for both concentrations were averaged and results and standard deviation are shown



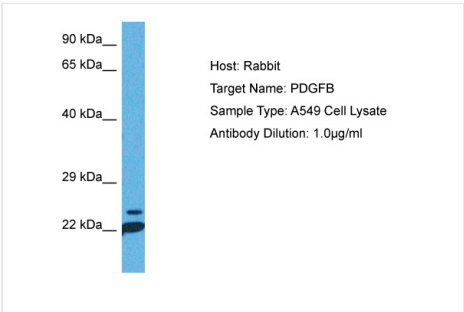
WB (Western Blot)
WB Suggested Anti-PDGFB antibody Titration: 1 ug/mL Sample Type: Human liver



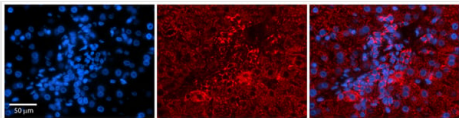
WB (Western Blot)
WB Suggested Anti-PDGFB Antibody Titration: 0.2-1 ug/mL ELISA Titer: 1:1562500 Positive Control: 293T cell lysate There is BioGPS gene expression data showing that PDGFB is expressed in HEK293T



WB (Western Blot)
Host: Rabbit Target Name: PDGFB Sample Tissue: Human MCF7 Whole Cell Antibody Dilution: 1ug/ml



WB (Western Blot)
Host: Rabbit Target Name: PDGFB Sample Tissue: Human A549 Whole Cell Antibody Dilution: 1ug/ml



IHC (Immunohistochemistry)
Rabbit Anti-PDGFB Antibody Formalin Fixed Paraffin Embedded Tissue: Human Adult liver Observed Staining: Cytoplasmic Primary Antibody Concentration: 1:600 Secondary Antibody: Donkey anti-Rabbit-Cy2/3 Secondary Antibody Concentration: 1:200 Magnification: 20X Exposure Time: 0.5 - 2.0 sec Protocol located in Reviews and Data.

ADDITIONAL INFORMATION

Related Product Information for anti-PDGFB antibody	This is a rabbit polyclonal antibody against PDGFB. It was validated on Western Blot using a cell lysate as a positive control. Target Description: PDGFB is a member of the platelet-derived growth factor family. The four members of this family are mitogenic factors for cells of mesenchymal origin and are characterized by a motif of eight cysteines. PDGFB can exist either as a homodimer (PDGF-BB) or as a heterodimer with the platelet-derived growth factor alpha polypeptide (PDGF-AB), where the dimers are connected by disulfide bonds. Mutations in this gene are associated with meningioma. Reciprocal translocations between chromosomes 22 and 7, at sites where this gene and that for COL1A1 are located, are associated with a particular type of skin tumor called dermatofibrosarcoma protuberans resulting from unregulated expression of growth factor. The protein encoded by this gene is a member of the platelet-derived growth factor family. The four members of this family are mitogenic factors for cells of mesenchymal origin and are characterized by a motif of eight cysteines. This gene product can exist either as a homodimer (PDGF-BB) or as a heterodimer with the platelet-derived growth factor alpha polypeptide (PDGF-AB), where the dimers are connected by disulfide bonds. Mutations in this gene are associated with meningioma. Reciprocal translocations between chromosomes 22 and 7, at sites where this gene and that for COL1A1 are located, are associated with a particular type of skin tumor called dermatofibrosarcoma protuberans resulting from unregulated expression of growth factor. Two splice variants have been identified for this gene.
Product Categories/Family for anti-PDGFB antibody	Polyclonal ; Signal Proteins ; Cell Cycle Proteins ; Growth Factors & Hormones ; Transcription Regulation ; Drugs and Drug Metabolism ; Disease Related ; Immunohistochemistry ; Hypoxia ; Phosphorylation ; Transcription Factors

NCBI AND UNIPROT INFORMATION

NCBI GI #	4505681
NCBI GeneID	5155
NCBI Accession #	NP_002599
NCBI GenBank Nucleotide #	NM_002608
UniProt Accession #	P01127
Molecular Weight	27kDa
NCBI Official Full Name	platelet-derived growth factor subunit B isoform 1 preproprotein
NCBI Official Synonym Full Names	platelet derived growth factor subunit B
NCBI Official Symbol	PDGFB
NCBI Official Synonym Symbols	SIS; SSV; IBGC5; PDGF2; c-sis; PDGF-2
NCBI Protein Information	platelet-derived growth factor subunit B
UniProt Protein Name	Platelet-derived growth factor subunit B
UniProt Gene Name	PDGFB
UniProt Synonym Gene Names	PDGF2; SIS; PDGF subunit B
UniProt Entry Name	PDGFB_HUMAN

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/pdgfb-antibody-western-blot-immunohistochemistry-elisa/23582>