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Produktinformation



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Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Product Number	ARP58509_P050-Biotin
Product Page	www.avivasysbio.com/pdgfb-antibody-n-terminal-region-biotin-arp58509-p050-biotin.html
Name	PDGFB Antibody - N-terminal region : Biotin (ARP58509_P050-Biotin)
Protein Size (# AA)	241 amino acids
Molecular Weight	27kDa
Subunit	B
Conjugation	Biotin
NCBI Gene Id	5155
Host	Rabbit
Clonality	Polyclonal
Concentration	0.5 mg/ml
Gene Full Name	Platelet-derived growth factor beta polypeptide
Alias Symbols	SIS, SSV, IBGC5, PDGF2, c-sis, PDGF-2
Peptide Sequence	Synthetic peptide located within the following region: NRCWALFLSLCCYLRLVSAEGDPIPEELYEMLS DHSIRSFDLQRL LHGD
Product Format	Liquid. Purified antibody supplied in 1x PBS buffer.
Reference	Chadjichristos,C.E., (2008) Circ. Res. 102 (6), 653-660
Description of Target	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.
Protein Interactions	COL6A1; COL5A1; COL4A1; COL3A1; COL2A1; COL1A2; COL1A1; LYVE1; NRPI; ADIPOQ; MDFI; PDAP1; ART1; PDGFB; HRAS; THBS1; PDGFRA; PDGFRB; HSPG2; LRP1; A2M; SPARC;
Reconstitution and Storage	All conjugated antibodies should be stored in light-protected vials or covered with a light protecting material (i.e. aluminum foil). Conjugated antibodies are stable for at least 12 months at 4C. If longer storage is desired (24 months), conjugates may be diluted with up to 50% glycerol and stored at -20C to -80C. Freezing and thawing conjugated antibodies will compromise enzyme activity as well as antibody binding.
Datasheets/Manuals	Printable datasheet for anti-PDGFB (ARP58509_P050-Biotin) antibody
Blocking Peptide	For anti-PDGFB (ARP58509_P050-Biotin) antibody is Catalog # AAP58509 (Previous Catalog # AAPP34718)
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human PDGFB
Uniprot ID	P01127
Protein Name	Platelet-derived growth factor subunit B
Sample Type Confirmation	There is BioGPS gene expression data showing that PDGFB is expressed in HEK293T

Protein Accession #	NP_002599
Purification	Affinity Purified
Nucleotide Accession #	NM_002608
Gene Symbol	PDGFB
Predicted Species Reactivity	Human, Mouse, Rat, Cow, Dog, Guinea Pig, Sheep
Application	WB, IHC
Predicted Homology Based on Immunogen Sequence	Cow: 100%; Dog: 100%; Guinea Pig: 100%; Human: 100%; Mouse: 100%; Rat: 100%; Sheep: 100%
Image 1	

AVIVA SYSTEMS BIOLOGY manufactures and sells quality antibody products covering genome wide proteins.

This product is for Research Use Only. Not for diagnostic, human, or veterinary use.
Optimal conditions of its use should be determined by end users.

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