

Datasheet for 600-401-DK7**PDGF-B Antibody****Overview**

Description:	Anti-PDGF-B (RABBIT) Antibody - 600-401-DK7
Item No.:	600-401-DK7
Size:	100 µg
Applications:	ELISA, IF, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	The platelet-derived growth factor beta (PDGF-B) 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). Mutations in this gene are associated with meningioma , and reciprocal translocations between chromosomes 22 and 7, at sites where the PDGF-B gene and that for COL1A1 are located, are associated with a particular type of skin tumor called dermatofibrosarcoma protuberans.
Synonyms:	PDGF-B Antibody, SIS, SSV, IBGC5, PDGF2, c-sis, PDGF-2, SIS, Platelet-derived growth factor subunit B, PDGF subunit B
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	PDGFB
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti- PDGF-B antibody was prepared from whole rabbit serum produced by repeated immunizations with a 19 amino acid peptide near the C-terminus of human PDGF-B.

Purity/Specificity:	Anti-PDGF-B Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with PDGF-B from other sources has not been determined.
Relevant Links:	• UniProtKB - P01127 • GeneID - 5155 • NCBI - NP_002599

Application Details

Tested Applications:	ELISA, IF, WB
Application Note:	Anti-PDGF-B Antibody has been tested for use in ELISA, Western Blotting and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 27 kDa in Western Blots of specific cell lysates and tissues.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:10,000-1:20,000
IF:	User Optimized
WB:	1-2 µg/mL

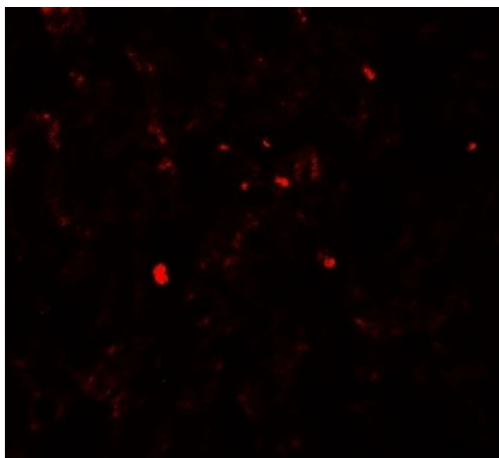
Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

Images

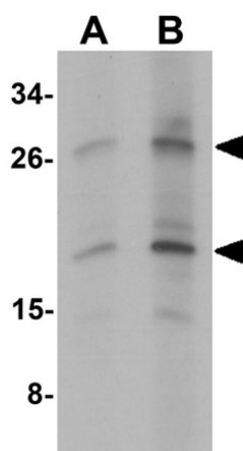


Immunofluorescence Microscopy

Immunofluorescence of PDGF-B.

Tissue: human liver tissue.

Primary Antibody: PDGF-B antibody at 20 µg/ml.



Western Blot

Western blot analysis of PDGF-B.

Load: rat liver tissue lysate.

Primary Antibody: PDGF-B antibody at (A) 1 and (B) 2 µg/mL.

Disclaimer

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