

ARG41101 anti-PDGF BB antibody

Package: 50 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes PDGF BB
Tested Reactivity	Hu, Ms, Rat
Predict Reactivity	Cow, Dog, Gpig, Sheep
Tested Application	IHC-P, WB
Specificity	This antibody react to full length and proform of PDGF BB but not mature form of PDGF B.
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	PDGF BB
Species	Human
Immunogen	Synthetic peptide around the N-terminal region (a.a. 2-51) of Human PDGF B. (within the following region: NRCWALFLSLCCYLRLVSAEGDPIPEELYEMLSDHSIRSFDLQRLHGD)
Conjugation	Un-conjugated
Alternate Names	SIS; Becaplermin; Platelet-derived growth factor subunit B; IBGC5; PDGF subunit B; c-sis; SSV; PDGF-2; Proto-oncogene c-Sis; Platelet-derived growth factor beta polypeptide; PDGF2; Platelet-derived growth factor B chain

Application Instructions

Predict Reactivity Note	Predicted Homology Based On Immunogen Sequence: Cow: 100%; Dog: 100%; Guinea pig: 100%; Sheep: 100%						
Application table	<table><thead><tr><th>Application</th><th>Dilution</th></tr></thead><tbody><tr><td>IHC-P</td><td>5 µg/ml</td></tr><tr><td>WB</td><td>0.2 - 2 µg/ml</td></tr></tbody></table>	Application	Dilution	IHC-P	5 µg/ml	WB	0.2 - 2 µg/ml
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IHC-P	5 µg/ml						
WB	0.2 - 2 µg/ml						
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.						
Positive Control	293T						
Observed Size	31 kDa						

Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS, 0.09% (w/v) Sodium azide and 2% Sucrose.

Preservative	0.09% (w/v) Sodium azide
Stabilizer	2% Sucrose
Concentration	Batch dependent: 0.5 - 1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	PDGFB
Gene Full Name	platelet-derived growth factor beta polypeptide
Background	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 17, at sites where this gene and that for collagen type 1, alpha 1 are located, are associated with a particular type of skin tumor called dermatofibrosarcoma protuberans resulting from unregulated expression of growth factor. Two alternatively spliced transcript variants encoding different isoforms have been identified for this gene. [provided by RefSeq, Feb 2013]
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 proliferation and recruitment of pericytes and vascular smooth muscle cells in the central nervous system, skin, lung, heart and placenta. Required for normal blood vessel development, and for normal development of kidney glomeruli. Plays an important role in wound healing. Signaling is modulated by the formation of heterodimers with PDGFA (By similarity). [UniProt]
Calculated Mw	27 kDa
Cellular Localization	Secreted. Note=Released by platelets upon wounding. [UniProt]

Images



ARG41101 anti-PDGF B antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human uterus tissue stained with ARG41101 anti-PDGF B antibody at 5 µg/ml dilution.

ARG41101 anti-PDGF B antibody WB image

Western blot: 293T cell lysate stained with ARG41101 anti-PDGF B antibody at 0.2 - 1 µg/ml dilution.

