

Product datasheet

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ARG56152 anti-PDGF BB antibody

Package: 100 μl Store at: -20°C

Summary

Product Description Rabbit Polyclonal antibody recognizes PDGF BB

Tested Reactivity Hu, Rat

Tested Application ICC/IF, IHC-P, WB

Host Rabbit

Clonality Polyclonal

Isotype IgG

Target Name PDGF BB

Species Human

Immunogen Recombinant protein of Human PDGF BB.

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	v Note	Rat
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Application table

Application	Dilution
ICC/IF	1:50 - 1:200
IHC-P	1:50 - 1:200
WB	1:500 - 1:2000

Application Note * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations

should be determined by the scientist.

Positive Control SW480

Observed Size ~ 30 kDa

Properties

Form Liquid

Purification Affinity purification with immunogen.

Buffer PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.

Preservative 0.02% Sodium azide

Stabilizer 50% Glycerol

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

Database links GeneID: 24628 Rat

GenelD: 5155 Human

Swiss-port # P01127 Human

Swiss-port # Q05028 Rat

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]

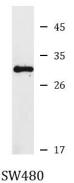
Function Growth factor that plays an essential role in the regulation of embryonic development, cell

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

Images



ARG56152 anti-PDGF B antibody WB image

Western blot: SW480 cell lysate stained with ARG56152 anti-PDGF B antibody.