

Product datasheet

info@arigobio.com

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: NRCWALFLSLCCYLRLVSAEGDPIPEELYEMLSDHSIRSFDDLQRLLHGD)

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 Application Dilution

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

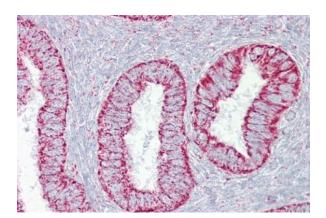
proliferation, cell migration, survival and chemotaxis. Potent mitogen for cells of mesenchymal origin. Required for normal proliferation and recruitment of pericytes and vascular smooth muscle cells in the central nervous system, skin, lung, heart and placenta. Required for normal blood vessel development, 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 μ g/ml dilution.

ARG41101 anti-PDGF B antibody WB image

- 90 - 65 - 42 - 30 - 20

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