

Datasheet: VPA00534

Description:	RABBIT ANTI PDGF-B
Specificity:	PDGF-B
Format:	Purified
Product Type:	PrecisionAb Polyclonal
Isotype:	Polyclonal IgG
Quantity:	100 µl

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Western Blotting	▪			1/1000

The PrecisionAb label is reserved for antibodies that meet the defined performance criteria within Bio-Rad's ongoing antibody validation programme. Click [here](#) to learn how we validate our PrecisionAb range. Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Further optimization may be required dependent on sample type.

Target Species

Human

Species Cross Reactivity

Reacts with: Mouse
N.B. Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.

Product Form

Purified IgG - liquid.

Preparation

Rabbit polyclonal antibody purified by affinity chromatography.

Buffer Solution

Phosphate buffered saline.

Preservative Stabilisers

0.09% Sodium Azide (NaN₃)
 2% Sucrose.

Immunogen

Synthetic peptide directed towards the N terminal region of human PDGF-B

External Database Links	UniProt: P01127 Related reagents Entrez Gene: 5155 PDGFB Related reagents
Synonyms	PDGF2, SIS
Specificity	<p>Rabbit anti Human PDGF-B antibody recognizes platelet-derived growth factor subunit B, also known as PDGF subunit B, becaplermin, platelet-derived growth factor 2, platelet-derived growth factor beta polypeptide or proto-oncogene c-Sis.</p> <p>The protein encoded by the PDGFB 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. PDGFB 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 dimer chains are connected by disulfide bonds.</p> <p>Mutations in PDGFB are associated with meningioma and Basal ganglia calcification, idiopathic, 5 (IBGC5), an autosomal dominant disorder characterized by progressive neurologic symptoms associated with brain calcifications (Keller et al. 2013). Reciprocal translocations between chromosomes 22 and 17, at sites where PDGFB and that for collagen type 1, alpha 1 are located, are associated with a particular type of skin tumor called dermatofibrosarcoma protuberans (DFSB) resulting from unregulated expression of growth factor (Kiuru-Kuhlefeld et al. 2001). Two alternatively spliced transcript variants encoding different isoforms have been identified for PDGFB (provided by RefSeq, Feb 2013).</p> <p>Rabbit anti Human PDGF-B antibody detects a band of 27 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.</p>
Western Blotting	Anti PDGF-B detects a band of approximately 27 kDa in HEK293 cell lysates.
Storage	Store undiluted at -20°C, avoiding repeated freeze thaw cycles.
Guarantee	12 months from date of despatch
Acknowledgements	PrecisionAb is a trademark of Bio-Rad Laboratories
Health And Safety Information	Material Safety Datasheet documentation #10045 available at: Antibody (10045): https://www.bio-rad-antibodies.com/uploads/MSDS/10045.pdf
Regulatory	For research purposes only.

Related Products

Recommended Secondary Antibodies

Goat Anti Rabbit IgG (H/L) (STAR208...) [HRP](#)

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To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

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