

Datasheet: VPA00534

BATCH NUMBER 160712

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

Rabbit anti Human PDGF-B antibody recognizes platelet-derived growth factor subunit B, also known as PDGF subunit B, becaptermin, platelet-derived growth factor 2, platelet-derived growth factor beta polypeptide or proto-oncogene c-Sis.

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.

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-Kuhlefelt et al. 2001](#)). Two alternatively spliced transcript variants encoding different isoforms have been identified for PDGFB (provided by RefSeq, Feb 2013).

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.

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: <https://www.bio-rad-antibodies.com/SDS/VPA00534>
Antibody (10045)

Regulatory

For research purposes only.

Related Products

Recommended Secondary Antibodies

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

North & South Tel: +1 800 265 7376

America Fax: +1 919 878 3751

Email: antibody_sales_us@bio-rad.com

Worldwide

Tel: +44 (0)1865 852 700

Fax: +44 (0)1865 852 739

Email: antibody_sales_uk@bio-rad.com

Europe

Tel: +49 (0) 89 8090 95 21

Fax: +49 (0) 89 8090 95 50

Email: antibody_sales_de@bio-rad.com

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

'M370846:200529'

Printed on 19 Jan 2024

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