

Datasheet: VPA00534KT

Description:	PDGF-B ANTIBODY WITH CONTROL LYSATE
Specificity:	PDGF-B
Format:	Purified
Product Type:	PrecisionAb Polyclonal
Isotype:	Polyclonal IgG
Quantity:	2 Westerns

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

PrecisionAb antibodies have been extensively [validated for the western blot application](#). The antibody has been validated at the suggested dilution. 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 dependant 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

20µl 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, becaptermin, 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-Kuhlefelt 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.
Instructions For Use	Please refer to the PrecisionAb western blotting protocol . For additional information on secondary antibody dilution and exposure time see product web page.
Lysate Composition	400µg HEK293 lysate lyophilized in RIPA buffer.
Lysate Reconstitution	<ul style="list-style-type: none"> - If using DDT reconstitute the lyophilized lysate with 190µl DI H₂O, add 200µl 2x Laemmli Sample Buffer and 10µl 2M DTT. - If using BME reconstitute the lyophilized lysate with 180µl DI H₂O, add 200µl 2x Laemmli Sample Buffer and 20µl BME. <p>Heat at 95°C for 5 minutes. For 10 well mini gels load 25µl. For other gel and comb formats please refer to the PrecisionAb western blotting protocol.</p>
Storage	Antibody: Store undiluted at -20°C, avoiding repeated freeze thaw cycles.

Lysate: Store lyophilized lysate at -20°C. After reconstitution aliquot and store at -20°C for up to 3 months or at -80°C for longer term storage.

Guarantee As supplied, 12 months from date of despatch.

Acknowledgements PrecisionAb™ is a trademark of Bio-Rad Laboratories.

Health And Safety Information Material Safety Datasheet documentation #10045 #10561 available at:
Antibody (10045): <https://www.bio-rad-antibodies.com/uploads/MSDS/10045.pdf>
Lysate Material (10561): <https://www.bio-rad-antibodies.com/uploads/MSDS/10561.pdf>

Regulatory For research purposes only.

Related Products

Recommended Secondary Antibodies

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

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'M351474:190318'

Printed on 10 Feb 2021

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