

Datasheet: AHP792

Description:	RABBIT ANTI HUMAN PDGF AA HOMODIMER
Specificity:	PDGF AA HOMODIMER
Other names:	PLATELET DERIVED GROWTH FACTOR AA
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	0.1 mg

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
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin (1)	▪			
ELISA	▪			0.5ug/ml
Immunoprecipitation			▪	
Western Blotting	▪			0.1 - 0.2ug/ml
Functional Assays	▪			0.17 - 0.19ug/ml

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

(1) This product requires enzyme mediated antigen retrieval prior to staining of paraffin sections. Proteinase K is recommended for this purpose.

Target Species	Human
Product Form	Purified IgG - lyophilized
Reconstitution	Reconstitute with 0.1ml distilled water. For long term storage the addition of 0.09% sodium azide is recommended. NB. For functional studies do not add azide.
Antiserum Preparation	Antisera to human PDGF-AA were raised by repeated immunisations of rabbits with highly purified antigen. Purified IgG prepared by affinity chromatography.

Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	None present
Carrier Free	Yes
Approx. Protein Concentrations	IgG concentration 1.0mg/ml after reconstitution
Immunogen	Recombinant human PDGF-AA.
External Database Links	<p>UniProt: P04085 Related reagents</p> <p>Entrez Gene: 5154 PDGFA Related reagents</p>
Synonyms	PDGF1
RRID	AB_844648
Specificity	<p>Rabbit anti Human PDGF AA Homodimer antibody recognizes human PDGF-AA (Platelet derived growth factor A chain), a disulphide-linked alpha-chain homodimer and member of the PDGF family, released from platelet alpha-granules following trauma/platelet activation.</p> <p>Naturally occurring active forms of PDGF exist as dimers of two alpha chains (AA), two beta chains (BB), or a combination of both chains (AB), all of which signal through the high-affinity PDGF-Ralpha receptor, and the latter two of which can also signal through the PDGF-Rbeta receptor. PDGFs are potent mitogens for a variety of cells including those of the connective tissue, bone and cartilage, blood and smooth muscle cells, and are involved in several biological processes including chemotaxis, hyperplasia and embryonic neurogenesis.</p> <p>Increased expression of PDGF-AA has been associated with a diverse range of conditions including progression of osteosarcomas, persistent Cytomegalovirus infection in kidney allografts and mediation of IL-13-stimulated lung fibroblast proliferation in asthma.</p>
Further Reading	<ol style="list-style-type: none"> 1. Rorsman, F. <i>et al.</i> (1988) Structural characterization of the human platelet-derived growth factor A-chain cDNA and gene: alternative exon usage predicts two different precursor proteins. Mol Cell Biol. 8 (2): 571-7. 2. Ingram, J.L. <i>et al.</i> (2004) IL-13 and IL-1beta promote lung fibroblast growth through coordinated up-regulation of PDGF-AA and PDGF-Ralpha. FASEB J. 18 (10): 1132-4.
Storage	<p>Prior to reconstitution store at -20°C.</p> <p>After reconstitution store at -20°C.</p>

This product should be stored undiluted. Storage in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

Guarantee	12 months from date of despatch
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Health And Safety Information	Material Safety Datasheet documentation #10294 available at: https://www.bio-rad-antibodies.com/SDS/AHP792 10294
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Regulatory	For research purposes only
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Related Products

Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...) [FITC](#)
Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)
Sheep Anti Rabbit IgG (STAR35...) [RPE](#)
Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)

Recommended Useful Reagents

[ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025A\)](#)
[TidyBlot WESTERN BLOT DETECTION REAGENT:HRP \(STAR209P\)](#)

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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
'M402156:220718'

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