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## OriGene Technologies GmbH

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## PP1061P1 Polyclonal Antibody to PDGFA (PDGF-AA) - Aff - Purified

Alternate names:	PDGF A, PDGF alpha, PDGF subunit A, PDGF-1, PDGF-A, PDGF1, Platelet-derived growth factor A chain, Platelet-derived growth factor alpha, Platelet-derived growth factor subunit A
Quantity:	50 µg
Uniprot ID:	<u>P04085</u>
NCBI:	<u>NP_002598</u>
GenelD:	<u>5154</u>
Host:	Rabbit
Immunogen:	Highly pure (>98%) recombinant hPDGF-AA
Format:	<ul> <li>State: Lyophilized purified Ig fraction</li> <li>Purification: Immunoaffinity chromatography using immobilized human PDGF matrix</li> <li>Buffer System: PBS, pH 7.2, without preservatives</li> <li>Reconstitution: Centrifuge vial prior to opening.</li> <li>Restore in sterile water to a concentration of 0.1-1.0 mg/ml.</li> </ul>
Applications:	Neutralisation: To yield one-half maximal inhibition [ND50] of the biological activity of hPDGF-AA (5.0 ng/ml),
	a concentration of 0.05 - 0.07 μg/ml of this antibody is required. Immunohistochemistry:
	The antibody stained formalin-fixed, paraffin embedded sections of normal human skin at
	1.0 $\mu$ g/ml overnight at 4°C. (A HRP-labeled polymer detection system was used with a non-alcohol soluble AEC chromogen and a proteinase K antigen retrieval). ELISA:
	Indirect - To detect hPDGF-AA by indirect ELISA (using 100 $\mu$ l/well antibody solution), a concentration of 0.5 - 2.0 $\mu$ g/ml of this antibody is required; allows the detection of at least 0.2 - 0.4 ng/well of recombinant hPDGF-AA.
	<u>Sandwich</u> - To detect hPDGF-AA by sandwich ELISA (using 100 µl/well antibody solution),
	a concentration of 0.5 - 2.0 µg/ml of this antibody is required; in conjunction with a biotinylated anti-human PDGF-AA (PP1061B) as the detection antibody at least 0.2 - 0.4 ng/well of recombinant hPDGF-AA can be detected. Western blot:
	To detect hPDGF-AA by Western blot analysis this antibody can be used at a concentration of $0.1 - 0.2 \mu g/ml$ . Used in conjunction with compatible secondary reagents the detection limit for recombinant hPDGF-AA is 1.5 -3.0 ng/lane, under either reducing or non-reducing conditions. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

For research and in vitro use only. Not for diagnostic or therapeutic work. Material Safety Datasheets are available at www.acris-antibodies.com or on request.

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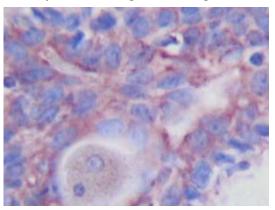
Storage:

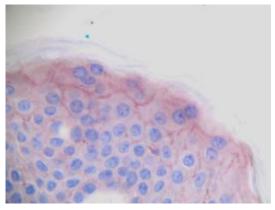
**Pictures:** 

Specificity:The antibody recognizes the human Platelet Derived Growth Factor AA (hPDGF-AA).<br/>Not tested in other species.

The lyophilized antibody is stable at -20°C for one year from despatch. The reconstituted antibody can be stored for two weeks at 2-8°C. Frozen aliquots are stable for six months when stored at -20°C. Avoid repeated freezing and thawing.

> Immunohistochemistry: This PDGFA antibody stained formalin-fixed, paraffinembedded sections of normal human skin. The recommended concentration is 1.0 µg/ml overnight at 4°C. An HRPlabeled polymer detection system was used with a non-alcohol soluble AEC chromogen and a proteinase K antigen retrieval.





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