

Product datasheet for **AP31623PU-N**

PDGF Receptor alpha (PDGFRA) (1035-1053) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, IP, WB
Recommended Dilution:	Immunohistochemistry on formalin-fixed, Paraffin embedded Sections: 1/100 (with heat-induced antigen retrieval). Immunoprecipitation 5-10 ul immunoprecipitates PDGF Receptor a from 500 ug of 3T3/NIH RIPA lysate. Western Blot: 1/250 - 1/1000 dilution detected PDGF Receptor a doublet (150/170kD) in 3T3/NIH cell lysate. 3T3/NIH cell lysate was resolved by electrophoresis, transferred to nitrocellulose and probed with anti-PDGF Receptor a (1:500 dilution). Proteins were visualized using a goat anti-rabbit secondary antibody conjugated to HRP and a chemiluminescence detection system. .
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide KLH-conjugated corresponding to amino acids 1000 to the C-term of Human PDGF
Specificity:	Recognizes Human PDGF Receptor Type A, doublet, Mr 150/170kD, at aa 1035-1053.
Formulation:	0.1 M Tris-Glycine, pH 7.4 containing 0.15 M Sodium Chloride and 0.05% Sodium Azide as preservative State: Aff - Purified State: Liquid purified Ig fraction
Purification:	Immunoaffinity Chromatography
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C. DO NOT FREEZE!
Stability:	Shelf life: one year from despatch.
Gene Name:	platelet derived growth factor receptor alpha



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Database Link: [Entrez Gene 18595 Mouse](#)[Entrez Gene 5156 Human](#)
[P16234](#)

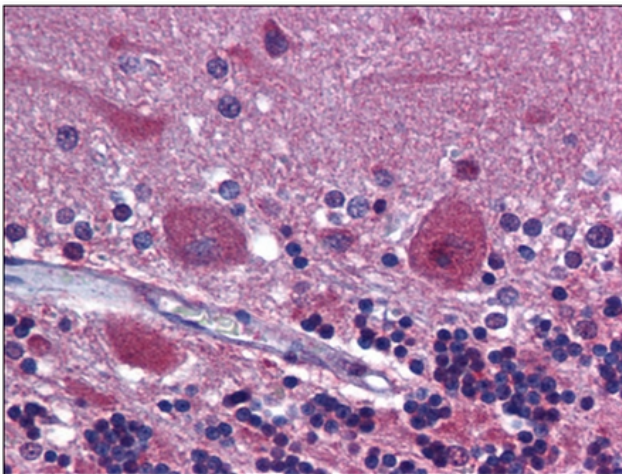
Background: Platelet-derived Growth Factor Receptor Alpha (PDGFR alpha), a member of the a PDGF Receptor tyrosine kinase family, is a mediator of the biological actions of platelet-derived growth factor (PDGF). PDGF binding to PDGF receptors result in stimulation of cell growth, chemotaxis, and cell shape changes. Unlike PDGFR beta, PDGFR alpha can bind to both PDGF subunits. PDGFR alpha has been implicated in the development of spina bifida. In various mouse models, deregulated PDGFR alpha expression was found to result in congenital neural tube defects. In humans, various PDGFRA promoter haplotypes have been associated with neural tube defects.

Synonyms: PDGF-R-alpha, PDGF Receptor alpha

Protein Families: Druggable Genome, ES Cell Differentiation/IPS, Protein Kinase, Transmembrane

Protein Pathways: Calcium signaling pathway, Colorectal cancer, Cytokine-cytokine receptor interaction, Endocytosis, Focal adhesion, Gap junction, Glioma, MAPK signaling pathway, Melanoma, Pathways in cancer, Prostate cancer, Regulation of actin cytoskeleton

Product images:



Human Brain, Cerebellum: Formalin-Fixed, Paraffin-Embedded (FFPE)