

Product datasheet for **AP20262PU-M**

PDGF Receptor alpha (PDGFRA) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	Western blot: 1/500-1/1000. Immunohistochemistry on paraffin sections: 1/50-1/200. Immunofluorescence: 1/50-1/200.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Specificity:	This antibody detects endogenous levels of PDGFR- α protein.
Formulation:	Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.2 State: Aff - Purified State: Liquid purified Ig fraction
Concentration:	1.0 mg/ml
Purification:	Affinity-chromatography using epitope-specific immunogen; purity is > 95% (by SDS-PAGE)
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	~ 140, 190 kDa
Gene Name:	platelet derived growth factor receptor alpha
Database Link:	Entrez Gene 18595 Mouse Entrez Gene 25267 Rat Entrez Gene 5156 Human P16234



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Background: Platelet-derived growth factor receptors exhibit tyrosine-protein kinase activity and have been implicated in the control of cell proliferation, survival and migration. PDGF receptors, PDGFR-alpha and PDGFR-beta, have 5 extracellular immunoglobulin-like domains and an intracellular tyrosine kinase domain. Upon binding a PDGF, the receptors form homo- and heterodimers. Dimerization of the receptors results in phosphorylation in the complex. More than 10 different SH2-domain-containing molecules have been shown to bind to different autophosphorylation sites in the PDGF-alpha and beta receptors. PDGF alpha receptors are expressed in oligodendrocyte progenitor cells and PDGF beta receptors are expressed on neurons.

Synonyms: PDGF-R-alpha, PDGF Receptor alpha

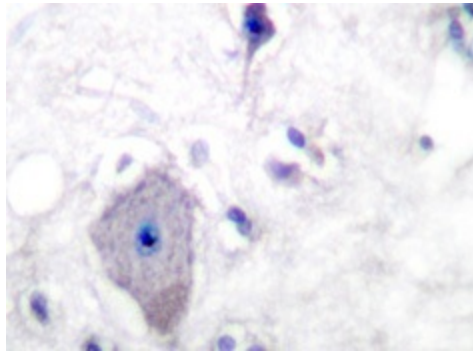
Protein Families: Druggable Genome, ES Cell Differentiation/IPS, Protein Kinase, Transmembrane

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:



Western blot analysis of PDGFR-α antibody ([AP20262PU-N]) in extracts from HepG2 cells.



Immunohistochemistry analyzes of PDGFR-α antibody ([AP20262PU-N]) in paraffin-embedded human brain tissue.