

## Product datasheet for **AP14392PU-N**

### PDGF Receptor alpha (PDGFRA) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	ELISA: 1/1,000. Western blotting: 1/50 - 1/100.
Reactivity:	Human
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	This antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide corresponding to amino acid residues surrounding Y720 of human PDGFRA.
Specificity:	This antibody reacts to PDGFRA.
Formulation:	PBS with 0.09% (W/V) sodium azide State: Aff - Purified State: Liquid purified Ig
Concentration:	lot specific
Purification:	Protein A column, followed by peptide affinity purification
Conjugation:	Unconjugated
Storage:	Store the antibody 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.
Gene Name:	platelet derived growth factor receptor alpha
Database Link:	<a href="#">Entrez Gene 5156 Human P16234</a>



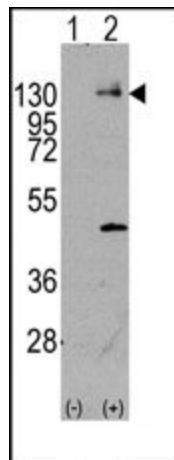
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**Background:**

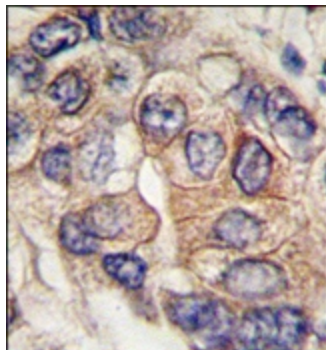
PDGFRA is a cell surface tyrosine kinase receptor for members of the platelet-derived growth factor family. These growth factors are mitogens for cells of mesenchymal origin. The identity of the growth factor bound to a receptor monomer determines whether the functional receptor is a homodimer or a heterodimer, composed of both platelet-derived growth factor receptor alpha and beta polypeptides. Studies in knockout mice, where homozygosity is lethal, indicate that the alpha form of the platelet-derived growth factor receptor is particularly important for kidney development since mice heterozygous for the receptor exhibit defective kidney phenotypes.

**Synonyms:**

PDGF-R-alpha, PDGF Receptor alpha

**Product images:**

Western blot analysis of PDGFRA (arrow) using rabbit polyclonal PDGFRA Antibody. 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the PDGFRA gene (Lane 2).



Formalin-fixed and paraffin-embedded human hepatocarcinoma tissue reacted with PDGFRA Antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining.