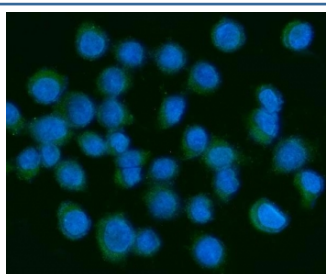


## PDGF alpha Antibody / PDGFA / Platelet Derived Growth Factor A (RQ6784)

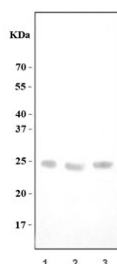
Catalog No.	Formulation	Size
RQ6784	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

**Bulk quote request**

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human, Mouse, Rat
<b>Format</b>	Antigen affinity purified
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit IgG
<b>Purity</b>	Antigen affinity purified
<b>Buffer</b>	Lyophilized from 1X PBS with 2% Trehalose
<b>UniProt</b>	P04085
<b>Applications</b>	Western Blot : 1-2ug/ml Immunofluorescence (FFPE) : 5ug/ml Direct ELISA : 0.1-0.5ug/ml
<b>Limitations</b>	This PDGF alpha antibody is available for research use only.



Immunofluorescent staining of FFPE human SiHa cells with PDGF alpha antibody (green) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



Western blot testing of 1) human HACAT, 2) rat PC-12 and 3) mouse lung tissue lysate with PDGF alpha antibody. Predicted molecular weight ~24 kDa (long form), ~22 kDa (short form).

## Description

Platelet-derived growth factor subunit A is a protein that in humans is encoded by the PDGFA gene. This gene encodes a member of the protein family comprised of both platelet-derived growth factors (PDGF) and vascular endothelial growth factors (VEGF). The encoded preproprotein is proteolytically processed to generate platelet-derived growth factor subunit A, which can homodimerize, or alternatively, heterodimerize with the related platelet-derived growth factor subunit B. These proteins bind and activate PDGF receptor tyrosine kinases, which play a role in a wide range of developmental processes. Alternative splicing results in multiple transcript variants.

## Application Notes

Optimal dilution of the PDGF alpha antibody should be determined by the researcher.

## Immunogen

Recombinant human protein (amino acids S87-T211) was used as the immunogen for the PDGF alpha antibody.

## Storage

After reconstitution, the PDGF alpha antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.