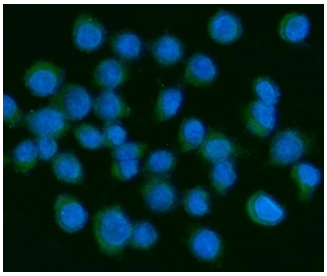
PDGF alpha Antibody / PDGFA / Platelet Derived Growth Factor A (RQ6784)

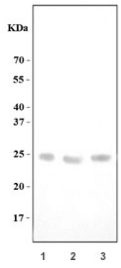
Catalog No.	Formulation	Size
RQ6784	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	P04085
Applications	Western blot: 1-2ug/ml Immunofluorescence (FFPE): 5ug/ml Direct ELISA: 0.1-0.5ug/ml
Limitations	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 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

Copyright © NSJ Bioreagents. All rights reserved.