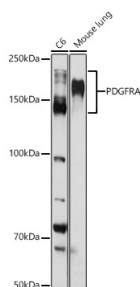
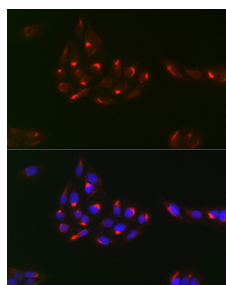


Cat. No:	AB-84772
Conjugate:	Unconjugated
Size:	100 ug
Clone:	POLY
Concentration:	1mg/ml
Host:	Rabbit
Isotype:	IgG
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 896-1059 of human PDGFR alpha
Reactivity:	Human, Mouse, Rat
Applications:	Western Blot: 1:500 - 1:1000 Immunohistochemistry(paraffin embedded tissues) 1:50 - 1:200 Immunofluorescence: 1:50 - 1:200 Immunocytochemistry: 1:50 - 1:200
Molecular Weight:	150-190kDa
Purification:	Affinity purification
Synonyms:	CD140A; PDGFR2; PDGFR-2
Background:	This gene encodes 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 suggest that this gene plays a role in organ development, wound healing, and tumor progression. Mutations in this gene have been associated with idiopathic hypereosinophilic syndrome, somatic and familial gastrointestinal stromal tumors, and a variety of other cancers.
Form:	Liquid
Buffer:	PBS with 0.02% sodium azide, 50% glycerol, pH 7.3.
Storage:	Store at -20°C. Avoid freeze / thaw cycles.

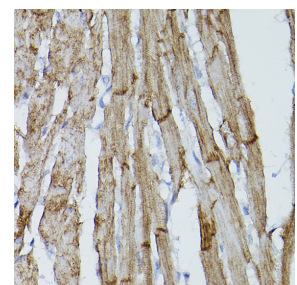


Western blot analysis of extracts of various cell lines, using PDGFR alpha antibody at 1:1000 dilution.

Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution.



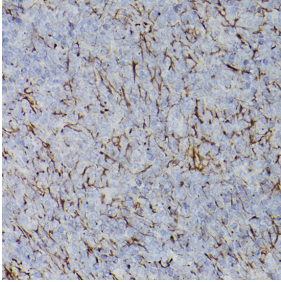
Immunofluorescence analysis of U2OS using PDGFR antibody at dilution of 1:100 (40x lens).
Blue: DAPI for nuclear staining.



Immunohistochemistry analysis of paraffin-embedded mouse heart using PDGFR alpha Rabbit pAb at dilution of 1:50 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing

Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in
TBST.
Detection: ECL West Pico Plus.
Exposure time: 30s.

with IHC staining protocol.



Immunohistochemistry analysis of
paraffin-embedded rat spleen using
PDGFR alpha Rabbit pAb at dilution of
1:50 (40x lens). Perform high pressure
antigen retrieval with 10 mM citrate
buffer pH 6.0 before commencing with
IHC staining protocol.

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