

PDGFR- α (phospho Tyr849) rabbit pAb**Cat#: orb769406 (Manual)**

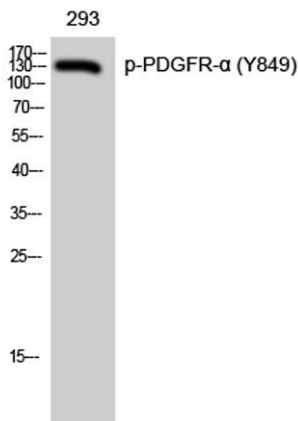
For research use only. Not intended for diagnostic use.

Product Name	PDGFR- α (phospho Tyr849) rabbit pAb
Host species	Rabbit
Applications	WB;IHC;IF;ELISA
Species Cross-Reactivity	Human;Mouse;Rat
Recommended dilutions	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/5000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human PDGFR α around the phosphorylation site of Tyr849. AA range:816-865
Specificity	Phospho-PDGFR- α (Y849) Polyclonal Antibody detects endogenous levels of PDGFR- α protein only when phosphorylated at Y849.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide..
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Platelet-derived growth factor receptor alpha
Gene Name	PDGFRA
Cellular localization	Cell membrane ; Single-pass type I membrane protein . Cell projection, cilium . Golgi apparatus .
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal

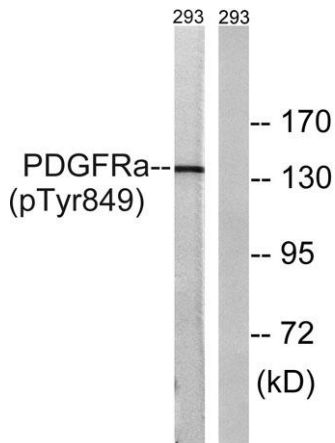
Concentration	1 mg/ml
Observed band	140kD
Human Gene ID	5156
Human Swiss-Prot Number	P16234
Alternative Names	PDGFRA; PDGFR2; RHEPDGFRA; Platelet-derived growth factor receptor alpha; PDGF-R-alpha; PDGFR-alpha; Alpha platelet-derived growth factor receptor; Alpha-type platelet-derived growth factor receptor; CD140 antigen-like family member A; CD14

Background

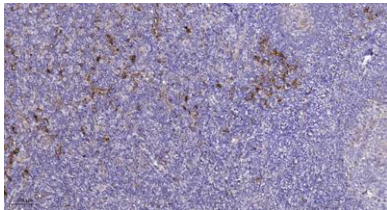
This gene encodes a cell surface tyrosine kinase receptor for members of the platelet-derived growth factor family. These growth factors are mitogens for cells of mesenchymal origin. The identity of the growth factor bound to a receptor monomer determines whether the functional receptor is a homodimer 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. [provided by RefSeq, Mar 2012],



Western Blot analysis of 293 cells using Phospho-PDGFR- α (Y849) Polyclonal Antibody



Western blot analysis of lysates from 293 cells, using PDGFRa (Phospho-Tyr849) Antibody. The lane on the right is blocked with the phospho peptide.



Immunohistochemical analysis of paraffin-embedded human tonsil. 1, Tris-EDTA, pH9.0 was used for antigen retrieval. 2 Antibody was diluted at 1:200(4^o overnight). 3, Secondary antibody was diluted at 1:200(room temperature, 45min).