



# PDGFR- $\alpha$ (phospho Tyr849) rabbit pAb

Cat No.:ES6531

For research use only

## Overview

<b>Product Name</b>	PDGFR- $\alpha$ (phospho Tyr849) rabbit pAb
<b>Host species</b>	Rabbit
<b>Applications</b>	WB;IHC;IF;ELISA
<b>Species Cross-Reactivity</b>	Human;Mouse;Rat
<b>Recommended dilutions</b>	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/5000. Not yet tested in other applications.
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human PDGFR $\alpha$ around the phosphorylation site of Tyr849. AA range:816-865
<b>Specificity</b>	Phospho-PDGFR- $\alpha$ (Y849) Polyclonal Antibody detects endogenous levels of PDGFR- $\alpha$ protein only when phosphorylated at Y849.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Storage</b>	Store at -20°C. Avoid repeated freeze-thaw cycles.
<b>Protein Name</b>	Platelet-derived growth factor receptor alpha
<b>Gene Name</b>	PDGFRA
<b>Cellular localization</b>	Cell membrane ; Single-pass type I membrane protein . Cell projection, cilium . Golgi apparatus .
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Clonality</b>	Polyclonal
<b>Concentration</b>	1 mg/ml
<b>Observed band</b>	140kD
<b>Human Gene ID</b>	5156
<b>Human Swiss-Prot Number</b>	P16234
<b>Alternative Names</b>	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;

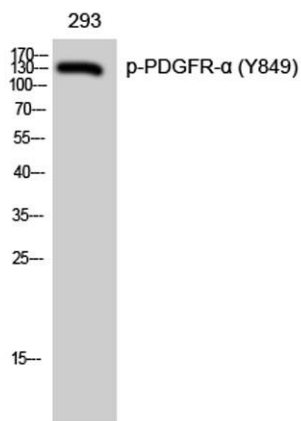




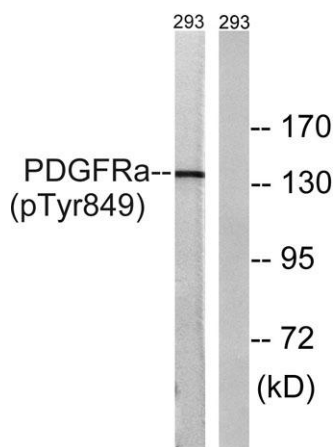
## Background

### CD14

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

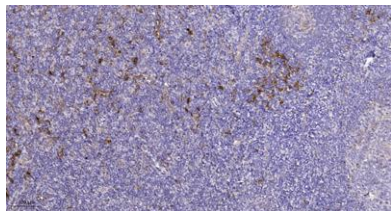


Western blot analysis of lysates from 293 cells, using PDGFRα (Phospho-Tyr849) Antibody. The lane on the right is blocked with the phospho peptide.





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Immunohistochemical analysis of paraffin-embedded human tonsil. 1, Tris-EDTA, pH 9.0 was used for antigen retrieval. 2 Antibody was diluted at 1:200 (4° overnight). 3, Secondary antibody was diluted at 1:200 (room temperature, 45 min).



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