

# Phospho-PDGFR alpha-Y849 Rabbit pAb

Catalog No.: AP0569

## Basic Information

### Observed MW

190kDa

### Calculated MW

123kDa

### Category

Primary antibody

### Applications

ELISA, WB

### Cross-Reactivity

Human

## 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.

## Recommended Dilutions

WB 1:500 - 1:2000

## Immunogen Information

### Gene ID

5156

### Swiss Prot

P16234

### Immunogen

A synthetic phosphorylated peptide around Y849 of human PDGFRA (NP\_006197.1).

### Synonyms

CD140A; PDGFR2; PDGFR-2; Phospho-PDGFR alpha-Y849

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

Affinity purification

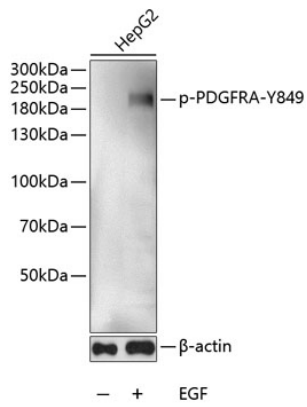
### Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

## Validation Data

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Western blot analysis of lysates from HepG2 cells, using Phospho-PDGFR alpha-Y849 Rabbit pAb (AP0569) at 1:1000 dilution. HepG2 cells were treated by EGF (100ng/mL) for 30 minutes after serum-starvation overnight.

Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% BSA.