Phospho-PDGFR alpha-Y754 Rabbit pAb

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Catalog No.: AP0568

Basic Information

Observed MW

180kDa

Calculated MW

123kDa

Category

Primary antibody

Applications

WB,ELISA

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

ELISA

Recommended starting concentration is 1 µg/mL.
Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID5156

Swiss Prot
P16234

Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms

CD140A; PDGFR2; PDGFR-2; Phospho-PDGFR alpha-Y754

Contact

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Product Information

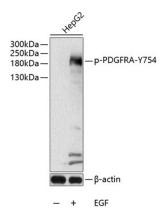
SourceIsotypePurificationRabbitIgGAffinity purification

Storage

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

Buffer: PBS containing 50% glycerol, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

Validation Data



Western blot analysis of lysates from HepG2 cells, using Phospho-PDGFR alpha-Y754 Rabbit pAb (AP0568) at 1:1000 dilution. HepG2 cells were treated with EGF (100 ng/mL) for 30 minutes after serum-starvation overnight.

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

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% BSA.