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# Phospho-PDGFR alpha-Y1018 Rabbit pAb

Catalog No.: AP0615 1 Publications

## **Basic Information**

## **Observed MW**

200kDa

#### **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 ID**5156

Swiss Prot
P16234

## **Immunogen**

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

## **Synonyms**

CD140A; PDGFR2; PDGFR-2; Phospho-PDGFR alpha-Y1018

## Contact

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## **Product Information**

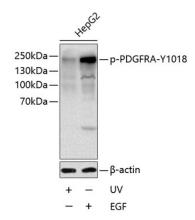
SourceIsotypePurificationRabbitIgGAffinity purification

#### 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-Y1018 Rabbit pAb (AP0615) at 1:1000 dilution. HepG2 cells were treated with UV for 15-30 minutes or treated with EGF (100ng/mL) for 30 minutes after serum-starvation overnight.

Secondary antibody: HRP-conjugated Goat anti-Rabbit  $\lg G$  (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25 $\mu g$  per lane.

Blocking buffer: 3% BSA.