

## Phospho-PDGFR- $\alpha$ -Y1018 pAb

<b>Catalog No.</b>	AP0615	<b>Category</b>	Phosphorylated Antibodies
<b>Applications</b>	WB	<b>Observed MW</b>	200kDa
<b>Cross-reactivity</b>	Human	<b>Calculated MW</b>	24kDa/82kDa/122kDa

### Immunogen Information

<b>Immunogen</b>	A phospho specific peptide corresponding to residues surrounding Y1018 of human PDGFR- $\alpha$
<b>Gene ID</b>	5156
<b>Swiss prot</b>	P16234
<b>Synonyms</b>	PDGFR- $\alpha$ ; CD140A; PDGFR-2; PDGFR2; GAS9; RHEPDGFR- $\alpha$ ; platelet-derived growth factor receptor $\alpha$ 1

### Product information

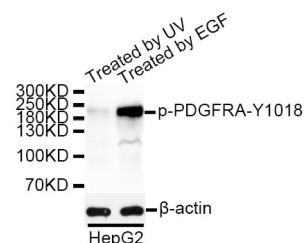
<b>Source</b>	Rabbit
<b>Isotype</b>	IgG
<b>Purification method</b>	Affinity purification
<b>Storage</b>	Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

### 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



Western blot - Phospho-PDGFR- $\alpha$ -Y1018 pAb (AP0615)