



Rabbit Anti-phospho-PDGFR α (Tyr720) antibody

SL12595R

Product Name:	phospho-PDGFR α (Tyr720)
Chinese Name:	磷酸化血小板源性生长因子受体 α 抗体
Alias:	PDGF Receptor alpha (phospho Y720); p-PDGF Receptor alpha (phospho Y720); Alpha-type platelet-derived growth factor receptor; CD140 antigen-like family member A; CD140a; CD140a antigen; MGC74795; PDGF alpha chain; PDGF-R-alpha; PDGFR 2; PDGFR alpha; PDGFR2; PDGFRA; PDGFRA/BCR fusion; PGFRA_HUMAN; Platelet derived growth factor receptor 2; Platelet derived growth factor receptor alpha; Platelet derived growth factor receptor alpha polypeptide; Platelet derived growth factor receptor; Rearranged in hypereosinophilia platelet derived growth factor receptor alpha fusion protein; RHEPDGFR α .
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Pig,Cow,Horse,Rabbit,Sheep,
Applications:	WB=1:500-2000ELISA=1:500-1000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	123kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthesised phosphopeptide derived from human PDGFRA around the phosphorylation site of Tyr720:RS(p-Y)VI
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

PubMed:[PubMed](#)

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]

Function:

Receptor that binds both PDGFA and PDGFB and has a tyrosine-protein kinase activity.

Subcellular Location:

Membrane.

Tissue Specificity:

Expressed in primary and metastatic colon tumors and in normal colon tissue. Tumors may express a different isoform to that found in normal tissue.

DISEASE:

Note=A chromosomal aberration involving PDGFRA is found in some cases of hypereosinophilic syndrome. Interstitial chromosomal deletion del(4)(q12q12) causes the fusion of FIP1L1 and PDGFRA (FIP1L1-PDGFRA).

Similarity:

Belongs to the protein kinase superfamily.
Tyr protein kinase family. CSF-1/PDGF receptor subfamily.
Contains 5 Ig-like C2-type (immunoglobulin-like) domains.
Contains 1 protein kinase domain.

SWISS:

P16234

Gene ID:

5156

Database links:

[Entrez Gene: 5156](#) Human

[Entrez Gene: 18595](#) Mouse

[Entrez Gene: 25267](#) Rat

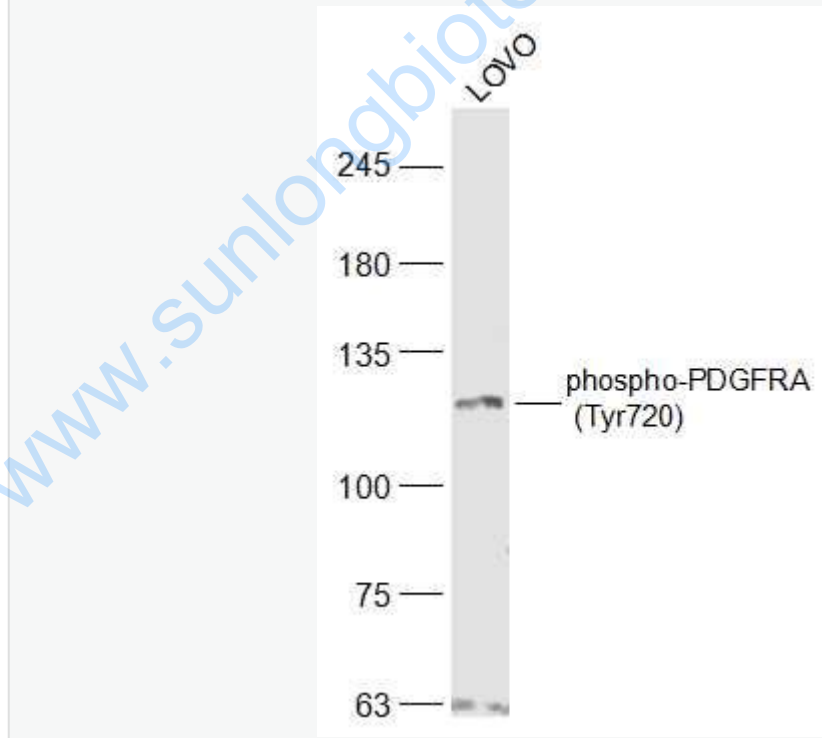
Product Detail:

[Omim: 173490](#) Human
[SwissProt: P16234](#) Human
[SwissProt: P26618](#) Mouse
[SwissProt: P20786](#) Rat
[Unigene: 74615](#) Human
[Unigene: 221403](#) Mouse
[Unigene: 55127](#) Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Picture:



Sample:

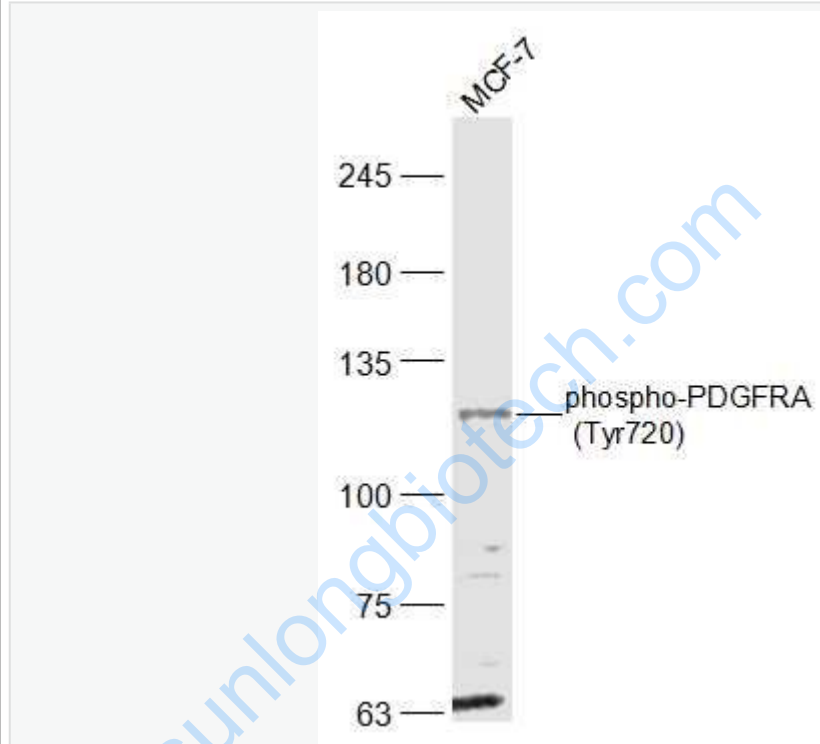
LOVO(Human) Cell Lysate at 30 ug

Primary: Anti-phospho-PDGFRα (Tyr720) (SL12595R) at 1/500 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 123 kD

Observed band size: 123 kD



Sample:

MCF-7(Human) Cell Lysate at 30 ug

Primary: Anti-phospho-PDGFRα (Tyr720) (SL12595R) at 1/500 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 123 kD

Observed band size: 123 kD