Anti-Phospho-Raf1 (Ser621) Rabbit pAb

Purified Rabbit Polyclonal Antibody

Catalog # P108212

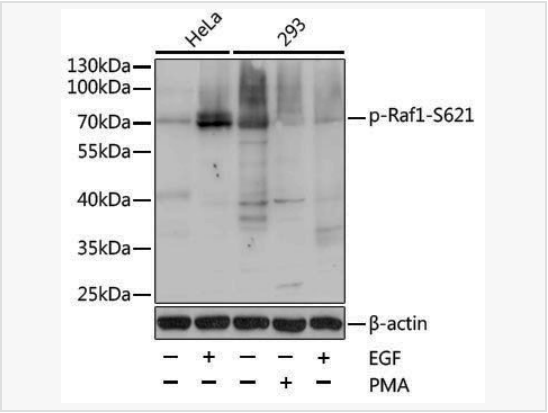
Product Information

Application	WB, IP, ELISA
Reactivity	Human
Dilution	WB 1:500~1:2000; IP 0.5μg-4μg antibody for 200μg-400μg extracts of whole cells
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Label	Unconjugated
Immunogen	A synthetic phosphorylated peptide around S621 of human Phospho-Raf1-S621 (NP_002871.1).
Format	Affinity purified polyclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-Phospho-Raf1 (Ser621) Rabbit pAb is for research use only and not for use in diagnostic or therapeutic procedures.

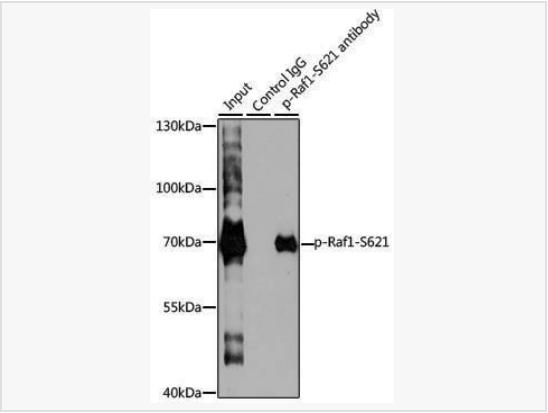
Protein Information

Synonyms	NS5; CRAF; Raf-1; c-Raf; CMD1NN; Phospho-Raf1-S621.
Calculated MW	Calculated MW: 73 kDa; Observed MW: 73 kDa
Uniprot ID	P04049
Gene ID	5894
Background	This gene is the cellular homolog of viral raf gene (v-raf). The encoded protein is a MAP kinase kinase kinase (MAP3K), which functions downstream of the Ras family of membrane associated GTPases to which it binds directly. Once activated, the cellular RAF1 protein can phosphorylate to activate the dual specificity protein kinases MEK1 and MEK2, which in turn phosphorylate to activate the serine/threonine specific protein kinases, ERK1 and ERK2. Activated ERKs are pleiotropic effectors of cell physiology and play an important role in the control of gene expression involved in the cell division cycle, apoptosis, cell differentiation and cell migration. Mutations in this gene are associated with Noonan syndrome 5 and LEOPARD syndrome 2.

Validation Images



Western blot analysis of lysates from HeLa and 293T cells, using Phospho-Raf1-S621 Rabbit pAb (P108212) at 1:1,000 dilution. HeLa cells were treated by EGF (100ng/mL) for 30 minutes after serum-starvation overnight. 293T cells were treated by PMA/TPA (200nM) for 30 minutes or treated by EGF (25μg/mL) for 30 minutes after serum-starvation overnight.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (LF102) at 1:10,000 dilution.
Lysates/proteins: 25μg per lane.
Blocking buffer: 3% BSA.



Immunoprecipitation analysis of 200 μg extracts of HeLa cells, using 3 μg Phospho-Raf1-S621 pAb (P108212). Western blot was performed from the immunoprecipitate using Phospho-Raf1-S621 pAb (P108212) at a dilution of 1:1000. HeLa cells were treated by EGF (100 ng/mL) at 37°C for 30 minutes after serum-starvation overnight.