

AP0497

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Phospho-Raf1-S259 Rabbit pAb

Catalog No.: AP0497

Basic Information

Observed MW

73kDa

Calculated MW

73kDa

Category

Polyclonal Antibody

Applications

WB,IP,ELISA

Cross-Reactivity

Human

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.

Recommended Dilutions

WB 1:500 - 1:2000

IP 0.5µg-4µg antibody for
200µg-400µg extracts of
whole cells

Immunogen Information

Gene ID

5894

Swiss Prot

P04049

Immunogen

A synthetic phosphorylated peptide around S259 of human Phospho-Raf1-S259 (NP_002871.1).

Synonyms

NS5; CRAF; Raf-1; c-Raf; CMD1NN; Phospho-Raf1-S259

Contact



www.abclonal.com

Product Information

Source

Rabbit

Isotype

IgG

Purification

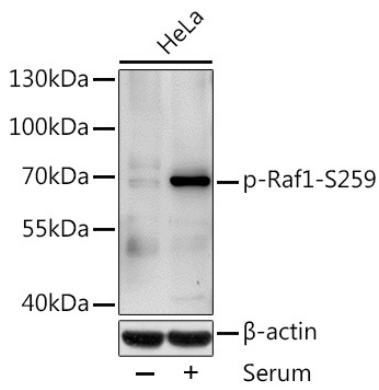
Affinity purification

Storage

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

Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Validation Data



Western blot analysis of lysates from HeLa cells, using Phospho-Raf1-S259 Rabbit pAb (AP0497) at 1:1000 dilution. HeLa cells were treated by 10% FBS after serum-starvation overnight. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25 μ g per lane. Blocking buffer: 3% BSA.

Immunoprecipitation analysis of 200 μ g extracts of HeLa cells, using 3 μ g Phospho-Raf1-S259 pAb (AP0497). Western blot was performed from the immunoprecipitate using Phospho-Raf1-S259 pAb (AP0497) at a dilution of 1:1000. HeLa cells were treated by 10% FBS at 37°C for 30 minutes after serum-starvation overnight.

