

AP00041PU-N**Polyclonal Antibody to RAF1 - Aff - Purified****Alternate names:**

C-RAF, RAF proto-oncogene serine/threonine-protein kinase, Raf-1, cRaf

Quantity:

0.1 mg

Concentration:

0.2 mg/ml

Background:

Human Raf1 is a proto-oncogene-encoded 74 kDa kinase that serves as an upstream activator of Mek1 by phosphorylating Ser-218 and Ser-222 in the MAP kinase kinase (Mek1). It has also been implicated in the phosphorylation and activation of the cdc2 tyrosine phosphatase cdc25. Raf1 binds to the GTP-bound form of the Ras G-protein via an N-terminal domain in Raf-1. Raf-1 is activated upon phosphorylation by protein kinase C, Src and ceramide-activated protein kinase. Raf-1 is highly related to the A-Raf and B-Raf isoforms within the N-terminal G-protein binding domain (CR1), phosphorylation site domain (CR2) and the catalytic domain (CR3). Raf-1 physically interacts with Ras, Rap1B, MEK1, the 14-3-3 family of proteins and the molecular chaperones hsp90 and p50.

Uniprot ID:[P04049](#)**NCBI:**[NP_002871.1](#)**GeneID:**[5894](#)**Host:**

Rabbit

Immunogen:

Synthetic peptide mapping to the C-terminus of Human Raf-1.

Format:**State:** Liquid purified IgG fraction**Purification:** Immunoaffinity Chromatography**Buffer System:** PBS, pH 7.2 containing 50% glycerol, 1% BSA, 0.02% Thimerosal**Applications:****Western Blot:** 1-4 µg/ml.**Immunoprecipitation:** 15-25 µg/ml.**Immunohistochemistry:** 10-20 µg/ml.

Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity:

The antibody detects a 74 kDa Raf-1 protein on SDS-PAGE immunoblots. It is not cross-reactive with Raf-A and Raf-B.

Species: Human, Mouse, Rat.

Other species not tested.

Storage:

Store undiluted at -20°C or for long term storage (in aliquots) at -70°C.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.