

RAF1

Rabbit Anti-Human RAF1 Affinity Purified pAb

Catalog No.	CPR106	Quantity:	100 µg
Alternate Names:	CRAF, NS5, Raf-1, c-Raf		
Description:	Rabbit Anti-Human RAF1 Affinity Purified polyclonal antibody. 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 RAF1. RAF1 is activated upon phosphorylation by protein kinase C, Src and ceramide-activated protein kinase. RAF1 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). RAF1 physically interacts with Ras, Rap1B, MEK1, the 14-3-3 family of proteins, and the molecular chaperones hsp90 and p50.		
Concentration:	0.2 mg/ml		
Gene ID:	5894		
Specificity:	Recognizes a 74 kDa RAF1 protein on SDS-PAGE immunoblots		
Host:	Rabbit		
Immunogen:	Synthetic peptide mapping to the C-terminus of human RAF1		
Isotype:	IgG		
Formulation:	100 µg (0.2 mg/ml) immunoaffinity purified rabbit anti-Raf-1 polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 50% glycerol + 1% BSA + 0.02% thiomersal. Precaution: Thiomersal is a poisonous and hazardous substance which should be handled by trained staff only.		
Purification:	Affinity purified.		
Species Reactivity:	Human, mouse, rat		
Cross-Reactivity:	Cross reacts with mouse and rat RAF1. Does not cross react with Raf-A and Raf-B.		
Applications:	Western Blot Immunoprecipitation Immunohistochemistry		
Application Notes:	Western blot analysis (1-4 µg/ml), immunoprecipitation (15-25 µg/ml) and Immunohistochemistry (10-20 µg/ml). However, the optimal conditions should be determined individually. The antibody detects a 74 kDa Raf-1 protein on SDS-PAGE immunoblots. It is non cross-reactive with Raf-A and Raf-B.		
Storage & Stability:	Store at -20°C or in working aliquots at -80°C for long term storage. Avoid repeated freeze-thaw cycles.		

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.



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