

Raf-B (phospho Ser602) rabbit pAb**Cat#: orb770154 (Manual)**

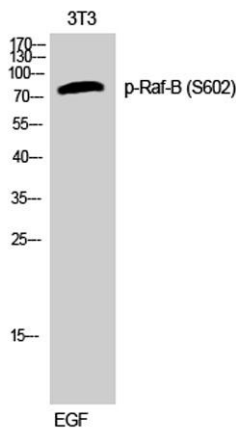
For research use only. Not intended for diagnostic use.

Product Name	Raf-B (phospho Ser602) rabbit pAb
Host species	Rabbit
Applications	WB;IHC;IF;ELISA
Species Cross-Reactivity	Human;Mouse;Rat
Recommended dilutions	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/20000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human B-RAF around the phosphorylation site of Ser602. AA range:576-625
Specificity	Phospho-Raf-B (S602) Polyclonal Antibody detects endogenous levels of Raf-B protein only when phosphorylated at S602.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide..
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Serine/threonine-protein kinase B-raf
Gene Name	BRAF
Cellular localization	Nucleus . Cytoplasm . Cell membrane . Colocalizes with RGS14 and RAF1 in both the cytoplasm and membranes. .
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal

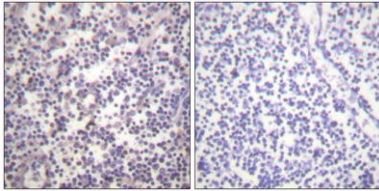
Concentration	1 mg/ml
Observed band	85kD
Human Gene ID	673
Human Swiss-Prot Number	P15056
Alternative Names	BRAF; BRAF1; RAFB1; Serine/threonine-protein kinase B-raf; Proto-oncogene B-Raf; p94; v-Raf murine sarcoma viral oncogene homolog B1

Background

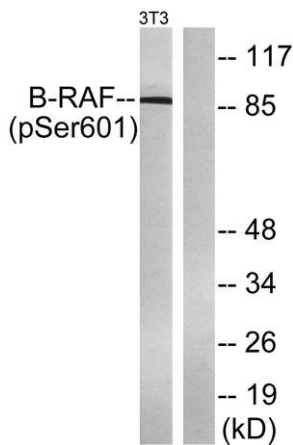
This gene encodes a protein belonging to the raf/mil family of serine/threonine protein kinases. This protein plays a role in regulating the MAP kinase/ERKs signaling pathway, which affects cell division, differentiation, and secretion. Mutations in this gene are associated with cardiofaciocutaneous syndrome, a disease characterized by heart defects, mental retardation and a distinctive facial appearance. Mutations in this gene have also been associated with various cancers, including non-Hodgkin lymphoma, colorectal cancer, malignant melanoma, thyroid carcinoma, non-small cell lung carcinoma, and adenocarcinoma of lung. A pseudogene, which is located on chromosome X, has been identified for this gene. [provided by RefSeq, Jul 2008],



Western Blot analysis of 3T3 cells using Phospho-Raf-B (S602) Polyclonal Antibody



Immunohistochemistry analysis of paraffin-embedded human lymph node, using B-RAF (Phospho-Ser602) Antibody. The picture on the right is blocked with the phospho peptide.



Western blot analysis of lysates from NIH/3T3 cells treated with EGF 200ng/ml 30', using B-RAF (Phospho-Ser602) Antibody. The lane on the right is blocked with the phospho peptide.