

Basic Information

Product Name	Anti-BRAF (Phospho-T401) Antibody	
Gene Name	BRAF	
Source	Rabbit	
Isotype	IgG	
Species Reactivity	human, mouse, rat	
Tested Application	WB, ICC/IF, IP	
Contents	500 ug/ml; Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.	
Immunogen	A synthesized peptide derived from human Phospho-B Raf (T401)	
concentration	500 ug/ml	
Purification	Affinity-chromatography	
Observed MW	85KD	
Dilution Ratios	Western blot (WB): 1:500-2000 Immunocytochemistry/Immunofluorescence (ICC/IF): 1:20-100 Immunoprecipitation: 1:20	

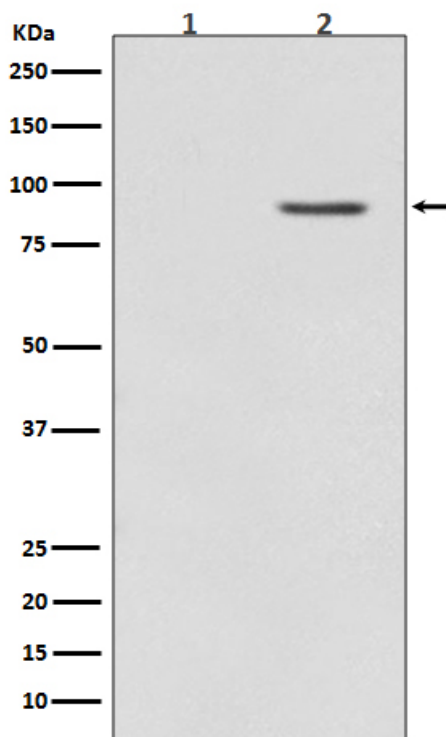
Storage

12 months from date of receipt, -20°C as supplied. 6 months 2 to 8°C after reconstitution. Avoid repeated freezing and thawing.

Background Information

BRAF(v-raf murine sarcoma viral oncogene homolog B1) is a human gene that makes a protein called B-Raf, also known as ONCOGENE BRAF, BRAF1, RAFB1, Proto-oncogene B-Raf p94, v-Raf murine sarcoma viral oncogene homolog B1, proto-oncogene B-Raf, v-Raf murine sarcoma viral oncogene homolog B1, while the protein is more formally known as serine/threonine-protein kinase B-Raf. BRAF deduced 651-amino acid protein has a calculated molecular mass of 72.5 kD. Northern blot analysis detected transcripts of 10 and 13 kb in cerebrum, fetal brain, and placenta and transcripts of 2.6 and 4.5 kb in testis. Testis also showed lower expression of the 10- and 13-kb transcripts. B-Raf is a member of the Raf kinase family of serine/threonine-specific protein kinases. This protein plays a role in regulating the MAP kinase/ERKs signaling pathway, which affects cell division, differentiation, and secretion.

Selected Validation Data



Western blot analysis of Phospho-B Raf (T401) expression in (1) PC-12 cell lysate; (2) PC-12 cell lysate treated with TPA.