

Anti-BRAF Antibody



Description

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.

Model	STJ117227
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	IF, IHC, WB
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 350-449 of human BRAF (NP_004324.2).
Gene ID	673
Gene Symbol	BRAF
Dilution range	WB 1:500 - 1:2000 IHC 1:50 - 1:200 IF 1:50 - 1:200
Tissue Specificity	Brain and testis

Purification	Affinity purification
Note	For Research Use Only (RUO).
Protein Name	Serine/threonine-protein kinase B-raf
Molecular Weight	84.437 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage Instruction	Store at -20C. Avoid freeze / thaw cycles.
Database Links	HGNC:10970MIM:114500Reactome:R-HSA-1295596
Alternative Names	Serine/threonine-protein kinase B-raf
Function	Protein kinase involved in the transduction of mitogenic signals from the cell membrane to the nucleus, May play a role in the postsynaptic responses of hippocampal neuron, Phosphorylates MAP2K1, and thereby contributes to the MAP kinase signal transduction pathway,
Cellular Localization	Nucleus
Post-translational Modifications	Phosphorylation at Ser-365 by SGK1 inhibits its activity,

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