

Mouse anti-Human BRAF Monoclonal Antibody | anti-BRAF antibody

BRAF Antibody

CATALOG # AAA290642	HOST Mouse	REACTIVITY Human	APPLICATIONS ELISA, Immunofluorescence, Western Blot
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PRODUCT SYNONYMS

BRAF; Monoclonal Antibody; BRAF Antibody; Serine/threonine-protein kinase B-raf; Proto-oncogene B-Raf; p94; v-Raf murine sarcoma viral oncogene homolog B1; BRAF1; RAFB1; anti-BRAF antibody

PRODUCT SPECIFICATIONS

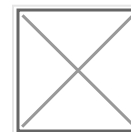
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1k
Specificity	This BRAF Monoclonal antibody is generated from mouse immunized with BRAF recombinant protein.
Form/Format	Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, followed by dialysis against PBS.
Sequence Length	766
Applicable Applications for anti-BRAF antibody	ELISA, IF (Immunofluorescence), WB (Western Blot)
Subtitle	Purified Mouse Monoclonal Antibody (Mab)
Cellular Location	Nucleus. Cytoplasm. Cell membrane. Note=Colocalizes with RGS14 and RAF1 in both the cytoplasm and membranes.
Tissue Location	Brain and testis.
Antigen Type	Recombinant Protein
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)

Western blot analysis of anti-BRAF Antibody in HL-60 cell line lysates (35µg/lane). BRAF (arrow) was detected using the purified Mab.



IF (Immunofluorescence)

Fluorescent image of C2C12 cell stained with BRAF Antibody. C2C12 cells were fixed with 4% PFA (20 min), permeabilized with Triton X-100 (0.1%, 10 min), then incubated with BRAF primary antibody (1:25, 1 h at 37 degree C. For secondary antibody, Alexa Fluor 488 conjugated donkey anti-mouse antibody (green) was used (1:400, 50 min at 37 degree C. Cytoplasmic actin was counterstained with Alexa Fluor 555 (red) conjugated Phalloidin (7units/ml, 1 h at 37 degree C. BRAF immunoreactivity is localized to Cytoplasm significantly.



WB (Western Blot)

All lanes : Anti-BRAF Antibody at 1:1000 dilution
Lane 1: MCF-7 whole cell lysate
Lane 2: K562 whole cell lysate
Lysates/proteins at 20 ug per lane.
Secondary Goat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution.
Predicted band size : 84 kDa
Blocking/Dilution buffer: 5% NFDM/TBST.

ADDITIONAL INFORMATION

Related Product Information for 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. Background: 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.
Product Categories/Family for anti-BRAF antibody	Crown Antibodies; Primary Antibodies; Cancer; Cell Biology; Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	33188459
NCBI GeneID	673
NCBI Accession #	NP_004324
NCBI GenBank Nucleotide #	NM_004333.4
UniProt Accession #	P15056; Q13878; Q3MIN6; Q9UDP8; Q9Y6T3; A4D1T4; B6HY61; B6HY62; B6HY63; B6HY64; B6HY65; B6HY66
Molecular Weight	84437 Da
NCBI Official Full Name	serine/threonine-protein kinase B-raf
NCBI Official Synonym Full Names	B-Raf proto-oncogene, serine/threonine kinase
NCBI Official Symbol	BRAF
NCBI Official Synonym Symbols	NS7; BRAF1; RAFB1; B-RAF1
NCBI Protein Information	serine/threonine-protein kinase B-raf
UniProt Protein Name	Serine/threonine-protein kinase B-raf
UniProt Gene Name	BRAF
UniProt Synonym Gene Names	BRAF1; RAFB1
UniProt Entry Name	BRAF_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.