

Rabbit B-RAF Polyclonal Antibody | anti-BRAF antibody

B-RAF Antibody (Center)

CATALOG # AAA285935	HOST Rabbit	REACTIVITY Human (Predicted Reactivity: Chicken, Mouse)	APPLICATIONS Western Blot, Immunofluorescence, Immunohistochemistry, ELISA, Flow Cytometry, Functional Assay
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PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Chicken, Mouse)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This B-RAF antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 424-453 amino acids from the Central region of human B-RAF.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	424-453
Sequence Length	766
Applicable Applications for anti-BRAF antibody	WB (Western Blot), IF (Immunofluorescence), IHC (Immunohistochemistry), ELISA, FCM/FACS (Flow Cytometry)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
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



FCM/FACS (Flow Cytometry)

B-RAF Antibody (Center) flow cytometric analysis of Hela cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



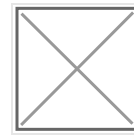
IHC (Immunohistochemistry)

Formalin-fixed and paraffin-embedded human prostate carcinoma reacted with BRAF Antibody (Center), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)

Western blot analysis of BRAF Antibody (Center) polyclonal antibody (arrow). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the BRAF gene (Lane 2) (Origene Technologies).



IF (Immunofluorescence)

Fluorescent image of C2C12 cell stained with BRAF Antibody (Center). 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). For secondary antibody, Alexa Fluor 488 conjugated donkey anti-rabbit antibody (green) was used (1:400, 50 min at 37 degree). Cytoplasmic actin was counterstained with Alexa Fluor 555 (red) conjugated Phalloidin (7units/ml, 1 h at 37 degree). BRAF immunoreactivity is localized to Cytoplasm significantly.

ADDITIONAL INFORMATION

Related Product Information for anti-BRAF antibody	BRAF, a member of the RAF subfamily of Ser/Thr protein kinases, is involved in the transduction of mitogenic signals from the cell membrane to the nucleus. It may play a role in the postsynaptic responses of hippocampal neuron. This cytoplasmic protein is expressed in brain and testis. Defects in BRAF are involved in a wide range of cancers including lung cancer and non-Hodgkin lymphoma (NHL). This protein contains 1 zinc-dependent phorbol-ester and DAG binding domain.
Product Categories/Family for anti-BRAF antibody	Cancer ; Cell Biology ; Signal transduction
References	Loewe, R., et al., J. Invest. Dermatol. 123(4):733-736 (2004). Yamaguchi, T., et al., J. Biol. Chem. 279(39):40419-40430 (2004). Frattoni, M., et al., Oncogene 23(44):7436-7440 (2004). Tsavachidou, D., et al., Cancer Res. 64(16):5556-5559 (2004). Gear, H., et al., Invest. Ophthalmol. Vis. Sci. 45(8):2484-2488 (2004).

NCBI AND UNIPROT INFORMATION

NCBI GI #	33188459
NCBI GeneID	673
NCBI Accession #	NP_004324.2
NCBI GenBank Nucleotide #	NM_004333.4
UniProt Accession #	P15056 ; Q13878 ; Q3MIN6 ; Q9UDP8 ; Q9Y6T3 ; A4D1T4 ; B6HY61 ; B6HY62 ; B6HY63 ; B6HY64 ; B6HY65 ; B6HY66
Molecular Weight	84437
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.