Mouse BRAF Monoclonal Antibody | anti-BRAF antibody

BRAF antibody

CATALOG #	HOST	APPLICATIONS
AAA106562	**Mouse**	**Western Blot, Immunohistochemistry, Immunofluorescence, Flow Cytometry, Functional Assay**

PRODUCT SYNONYMS

BRAF; Monoclonal Antibody; BRAF antibody; Monoclonal BRAF; Anti-BRAF; V-raf murine sarcoma viral oncogene homolog B1; BRAF1; Proto-oncogene B-Raf; RAFB1; p94; NS7; B-RAF1; B RAF1; anti-BRAF antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	1D4
Purity/Purification	BRAF antibody was purified by affinity chromatography.
Form/Format	Supplied in PBS buffer, pH 7.3, containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration	500 ug-1 mg/ml (varies by lot)
Sequence Length	766
Applicable Applications for anti-BRAF antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Biological Significance	BRAF is 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 lungcarcinoma, and adenocarcinoma of lung.
Cross-Reactivity	Human
Immunogen	BRAF antibody was raised in mouse using a full length recombinant protein of human BRAF (NP_004324) produced in HEK293T cells, as the immunogen.
Preparation and Storage	Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.

IMAGES

IF (Immunofluorescence)
Immunofluorescent staining of COS7 cells transiently transfected with recombinant BRAF protein using BRAF antibody

IHC (Immunohiostchemistry)
Immunohistochemical analysis of BRAF protein in paraffin embedded Human liver tissue using BRAF antibody

WB (Western Blot)
Western Blot analysis of HEK293T cell lysates (5 ug) transfected with either recombinant BRAF protein (Right) or empty vector (Left) detected with BRAF antibody

ADDITIONAL INFORMATION

Related Product Information for anti-BRAF antibody	Mouse monoclonal BRAF antibody
Product Categories/Family for anti-BRAF antibody	Cancer

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	84,437 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.

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Online datasheet: https://stage.aaabiotech.com/monoclonal/braf-antibody-clone-1d4-western-blot-immunohistochemistry-immunofluorescence-flow-cytometry-elisa/106562