

B Raf Antibody

Purified Mouse Monoclonal Antibody (Mab)

Catalog # AP52718

Product Information

Application	WB
Primary Accession	P15056
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG2a
Calculated MW	84437

Additional Information

Gene ID	673
Other Names	FLJ95109;94 kDa B raf protein;B raf 1;B Raf proto oncogene serine threonine protein kinase;B-Raf proto-oncogene serine/threonine-protein kinase (p94);BRAF 1;BRAF;BRAF_HUMAN;BRAF1;cRmil;MGC126806;MGC138284;Murine sarcoma viral (v-raf) oncogene homolog B1;Murine sarcoma viral v raf oncogene homolog B1;NS7;oncogene BRAF1;p94;Proto-oncogene B-Raf;Proto-oncogene c-Rmil;RAFB 1;RAFB1;RMIL;Serine/threonine-protein kinase B-raf;v raf murine sarcoma viral oncogene homolog B;v raf murine sarcoma viral oncogene homolog B1;v-Raf murine sarcoma viral oncogene homolog B1
Dilution	WB~~1:1000
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Protein Information

Name	BRAF (HGNC:1097)
Synonyms	BRAF1, RAFB1
Function	Protein kinase involved in the transduction of mitogenic signals from the cell membrane to the nucleus (Probable). Phosphorylates MAP2K1, and thereby activates the MAP kinase signal transduction pathway (PubMed: 21441910 , PubMed: 29433126). Phosphorylates PFKFB2 (PubMed: 36402789). May play a role in the postsynaptic responses of hippocampal neurons (PubMed: 1508179).

Cellular Location Nucleus. Cytoplasm. Cell membrane. Note=Colocalizes with RGS14 and RAF1 in both the cytoplasm and membranes.

Tissue Location Brain and testis.

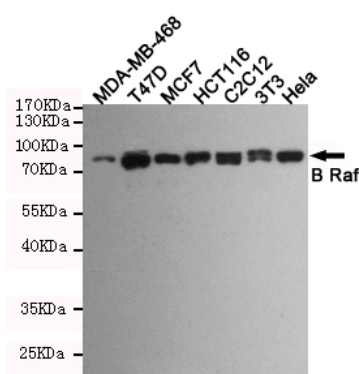
Background

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.

References

Stephens R.M.,et al.Mol. Cell. Biol. 12:3733-3742(1992).
Albert S.,et al.Submitted (JAN-2004) to the EMBL/GenBank/DDBJ databases.
Scherer S.W.,et al.Science 300:767-772(2003).
Hillier L.W.,et al.Nature 424:157-164(2003).
Eychene A.,et al.Oncogene 7:1657-1660(1992).

Images



Western blot detection of B Raf in MDA-MB-468,T47D,MCF7,HCT116,C2C12,3T3 and Hela cell lysates using B Raf mouse mAb (1:1000 diluted).Predicted band size:87KDa.Observed band size:87KDa.

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