

# B Raf Antibody

Purified Mouse Monoclonal Antibody (Mab)  
Catalog # AP52718

## Product Information

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<b>Application</b>	WB
<b>Primary Accession</b>	<a href="#">P15056</a>
<b>Reactivity</b>	Human
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Isotype</b>	IgG2a
<b>Calculated MW</b>	84437

## Additional Information

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<b>Gene ID</b>	673
<b>Other Names</b>	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
<b>Dilution</b>	WB~~1:1000
<b>Format</b>	Purified mouse monoclonal antibody in PBS(pH 7.4) containing with 0.09% (W/V) sodium azide and 50% glycerol.
<b>Storage</b>	Store at -20 °C.Stable for 12 months from date of receipt

## Protein Information

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<b>Name</b>	<a href="#">BRAF ( HGNC:1097)</a>
<b>Synonyms</b>	BRAF1, RAFB1
<b>Function</b>	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: <a href="#">21441910</a> , PubMed: <a href="#">29433126</a> ). Phosphorylates PFKFB2 (PubMed: <a href="#">36402789</a> ). May play a role in the postsynaptic responses of hippocampal neurons (PubMed: <a href="#">1508179</a> ).

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

**Tissue Location** Brain and testis.

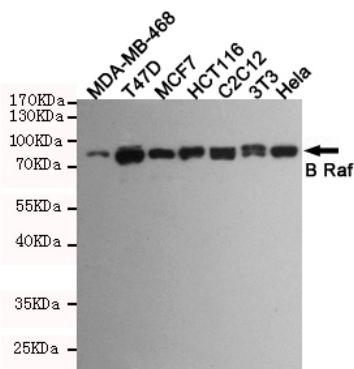
## Background

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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.