

# BRAF V600E Antibody(C-Term)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP22342b

## Product Information

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<b>Application</b>	WB, IHC-P, E
<b>Primary Accession</b>	<a href="#">P15056</a>
<b>Other Accession</b>	<a href="#">Q04982</a> , <a href="#">P34908</a> , <a href="#">P28028</a> , <a href="#">P00531</a> , <a href="#">A7E3S4</a> , <a href="#">P05625</a> , <a href="#">P04049</a> , <a href="#">Q99N57</a> , <a href="#">Q5R5M7</a> , <a href="#">P11345</a> , <a href="#">P00532</a> , <a href="#">P27966</a> , <a href="#">P10533</a>
<b>Reactivity</b>	Human
<b>Predicted</b>	Human, Mouse, Rat, Chicken, Bovine
<b>Host</b>	Rabbit
<b>Clonality</b>	polyclonal
<b>Isotype</b>	Rabbit IgG
<b>Clone Names</b>	RB56427
<b>Calculated MW</b>	84437

## Additional Information

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<b>Gene ID</b>	673
<b>Other Names</b>	Serine/threonine-protein kinase B-raf, 2.7.11.1, Proto-oncogene B-Raf, p94, v-Raf murine sarcoma viral oncogene homolog B1, BRAF, BRAF1, RAFB1
<b>Target/Specificity</b>	This antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 576-606 amino acids from human.
<b>Dilution</b>	WB~~1:2000 IHC-P~~1:100~500 E~~Use at an assay dependent concentration.
<b>Format</b>	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
<b>Storage</b>	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
<b>Precautions</b>	BRAF V600E Antibody(C-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	BRAF ( <a href="#">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:[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.

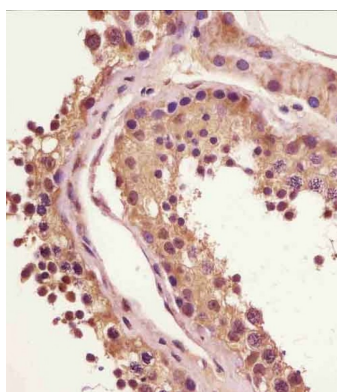
## Background

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.

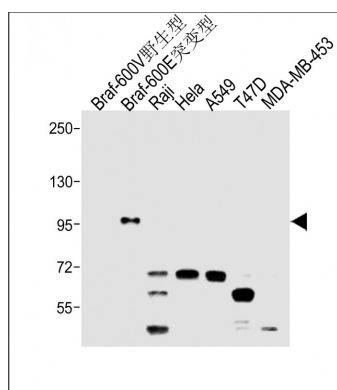
## References

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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



AP22342b staining BRAF in human testis tissue sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with formaldehyde and blocked with 3% BSA for 0.5 hour at room temperature; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody (1/25) for 1 hours at 37°C. A undiluted biotinylated goat polyvalent antibody was used as the secondary antibody.



All lanes : Anti-BRAF Antibody(C-Term) at 1:2000 dilution  
Lane 1: Braf-600V lysate Lane 2: Braf-600E lysate Lane 3: Raji whole cell lysate Lane 4: HeLa whole cell lysate Lane 5: A549 whole cell lysate Lane 6: T47D whole cell lysate Lane 7: MDA-MB-453 whole cell lysate Lysates/proteins at 10 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 84 kDa Blocking/Dilution buffer: 5% NFDM/TBST.