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# BRAF / B-Raf Antibody
**Mouse Monoclonal Antibody**
**Catalog # ALS12826**

## Specification

### BRAF / B-Raf Antibody - Product Information

| | |
|---|---|
| Application | **WB, IHC** |
| Primary Accession | P15056 |
| Reactivity | **Human** |
| Host | **Mouse** |
| Clonality | **Monoclonal** |
| Calculated MW | **84kDa KDa** |

### BRAF / B-Raf Antibody - Additional Information

**Gene ID** 673

**Other Names**
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

**Target/Specificity**
Ni-NTA purified truncated recombinant BRAF expressed in E. coli strain BL21 (DE3).

**Reconstitution & Storage**
Long term: -20°C; Short term: -20°C

**Precautions**
BRAF / B-Raf Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

### BRAF / B-Raf Antibody - 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:<a href="http://www.uniprot.org/citations/21441910" target="_blank">21441910</a>, PubMed:<a href="http://www.uniprot.org/citations/29433126" target="_blank">29433126</a>). Phosphorylates PFKFB2 (PubMed:<a href="http://www.uniprot.org/citations/36402789" target="_blank">36402789</a>). May play a role in the postsynaptic responses of hippocampal neurons (PubMed:<a href="http://www.uniprot.org/citations/1508179" target="_blank">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.

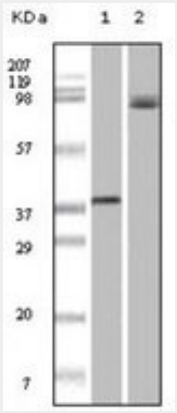
**Volume**
50 µl

## BRAF / B-Raf Antibody - Protocols

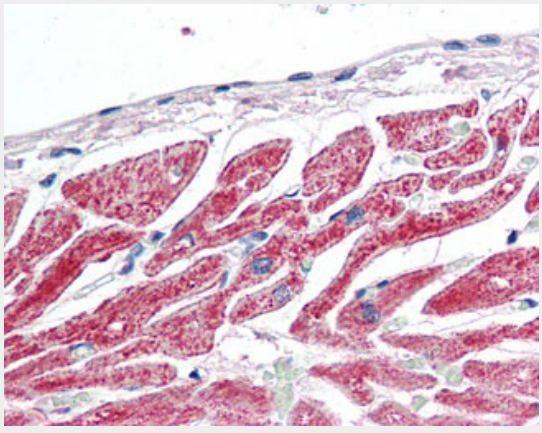
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

## BRAF / B-Raf Antibody - Images

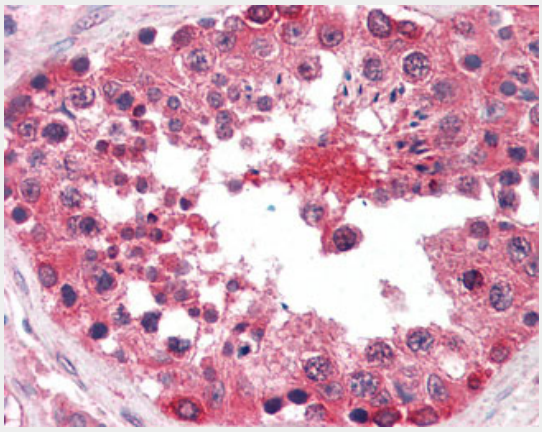



Western blot using BRAF mouse monoclonal antibody against truncated recombinant BRAF (1) and...



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Anti-BRAF antibody IHC of human heart.



Anti-BRAF antibody IHC of human testis.

**BRAF / B-Raf Antibody - 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.

**BRAF / B-Raf Antibody - 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).