

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:[21441910](http://www.uniprot.org/citations/21441910), PubMed:[29433126](http://www.uniprot.org/citations/29433126)). Phosphorylates PFKFB2 (PubMed:[36402789](http://www.uniprot.org/citations/36402789)). May play a role in the postsynaptic responses of hippocampal neurons (PubMed:[1508179](http://www.uniprot.org/citations/1508179)).

Cellular Location

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

Tissue Location

Brain and testis.

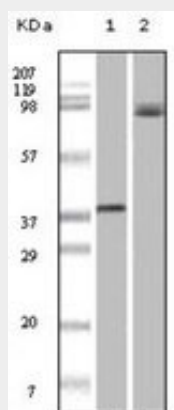
Volume

50 μ l

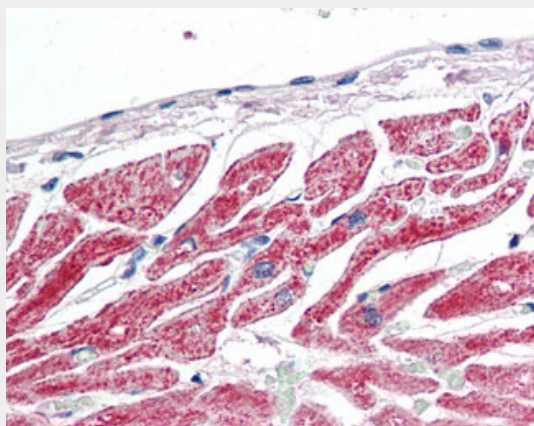
BRAF / B-Raf Antibody - Protocols

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

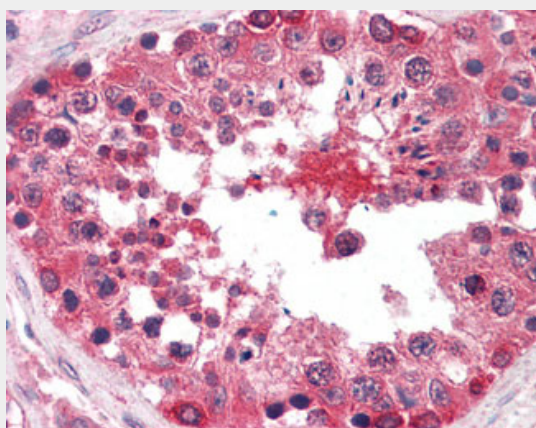
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

BRAF / B-Raf Antibody - Images

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



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).