

**Anti-B-RAF Antibody**  
Rabbit polyclonal antibody to B-RAF  
Catalog # AP59489

### Specification

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#### Anti-B-RAF Antibody - Product Information

Application	WB, IF
Primary Accession	<a href="#">P15056</a>
Other Accession	<a href="#">P28028</a>
Reactivity	Human, Mouse, Rat, Monkey, Chicken, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	84437

#### Anti-B-RAF Antibody - Additional Information

Gene ID 673

#### Other Names

BRAF1; RAFB1; Serine/threonine-protein kinase B-raf; Proto-oncogene B-Raf; p94; v-Raf murine sarcoma viral oncogene homolog B1

#### Target/Specificity

Recognizes endogenous levels of B-RAF protein.

#### Dilution

WB~~WB (1/500 - 1/1000), IH (1/100 - 1/200), IF/IC (1/100 - 1/500)  
IF~~WB (1/500 - 1/1000), IH (1/100 - 1/200), IF/IC (1/100 - 1/500)

#### Format

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

#### Storage

Store at -20 °C. Stable for 12 months from date of receipt

#### Anti-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

[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

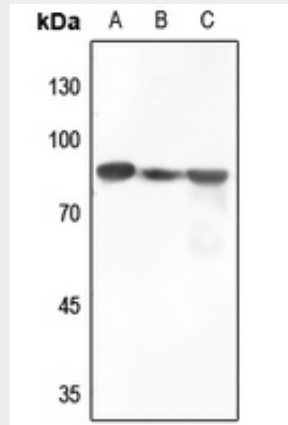
Brain and testis.

### Anti-B-RAF Antibody - Protocols

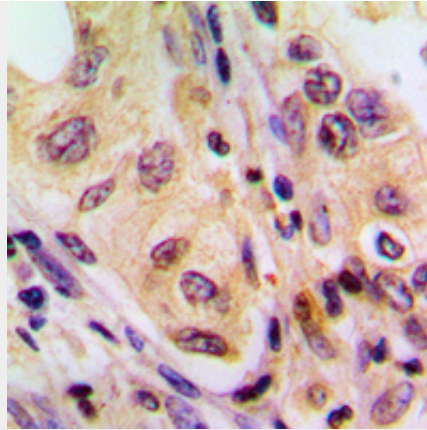
Provided below are standard protocols that you may find useful for product applications.

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

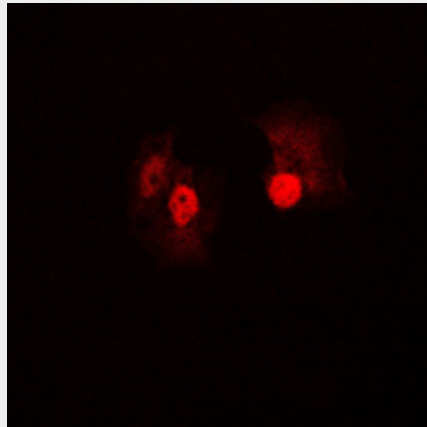
### Anti-B-RAF Antibody - Images



Western blot analysis of B-RAF expression in HEK293T (A), HeLa (B), H446 (C) whole cell lysates.



Immunohistochemical analysis of B-RAF staining in human liver cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of B-RAF staining in A431 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark.

#### **Anti-B-RAF Antibody - Background**

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human B-RAF. The exact sequence is proprietary.