

**Phospho-B Raf (T401) Antibody**  
Rabbit mAb  
Catalog # AP90960

**Specification**

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**Phospho-B Raf (T401) Antibody - Product Information**

|                   |                        |
|-------------------|------------------------|
| Application       | WB, ICC, IP            |
| Primary Accession | <a href="#">P15056</a> |
| Reactivity        | Rat                    |
| Clonality         | Monoclonal             |

**Other Names**

B-RAF; B-RAF proto-oncogene serine/threonine-protein kinase; BRAF1; RAFB1; RMIL; RMIL serine/threonine-protein kinase; c-RMIL; kinase B-Raf;

|               |            |
|---------------|------------|
| Isotype       | Rabbit IgG |
| Host          | Rabbit     |
| Calculated MW | 84437 Da   |

**Phospho-B Raf (T401) Antibody - Additional Information**

|                              |   |
|------------------------------|---|
| Purification                 | <b>Affinity-chromatography</b>  |
| Immunogen                    | <b>A synthesized peptide derived from human Phospho-B Raf (T401)</b>  |
| Description                  | <b>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.</b> |
| Storage Condition and Buffer | <b>Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.</b>  |

**Phospho-B Raf (T401) 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:<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

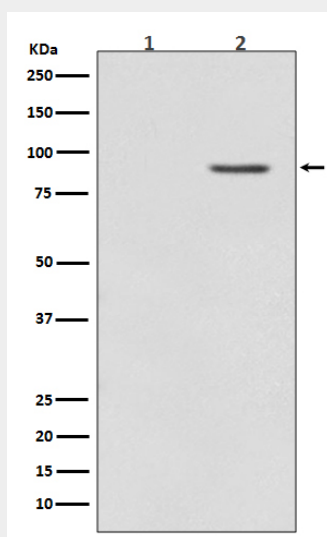
Brain and testis.

### Phospho-B Raf (T401) 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](#)

### Phospho-B Raf (T401) Antibody - Images



Western blot analysis of Phospho-B Raf (T401) expression in (1) PC-12 cell lysate; (2) PC-12 cell lysate treated with TPA.