

**Anti-B Raf Picoband Antibody**  
Catalog # ABO11860**Specification****Anti-B Raf Picoband Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">P15056</a>
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Format	Lyophilized

**Description**

Rabbit IgG polyclonal antibody for Serine/threonine-protein kinase B-raf(BRAF) detection. Tested with WB in Human;Mouse;Rat.

**Reconstitution**

Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

**Anti-B Raf Picoband 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

**Calculated MW**

84437 MW KDa

**Application Details**

Western blot, 0.1-0.5 µg/ml, Human, Mouse, Rat

**Subcellular Localization**

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

**Tissue Specificity**

Brain and testis.

**Protein Name**

Serine/threonine-protein kinase B-raf

**Contents**

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na<sub>2</sub>HPO<sub>4</sub>, 0.05mg Na<sub>3</sub>.

**Immunogen**

E.coli-derived human B Raf recombinant protein (Position: A38-V230). Human B Raf shares 81% amino acid (aa) sequence identity with mouse B Raf.

### Purification

Immunogen affinity purified.

### Cross Reactivity

No cross reactivity with other proteins

### Storage

**At -20°C for one year. After r°Constitution, at 4°C for one month. It°Can also be aliquotted and stored frozen at -20°C for a longer time.Avoid repeated freezing and thawing.**

### Sequence Similarities

Belongs to the protein kinase superfamily. TKL Ser/Thr protein kinase family. RAF subfamily.

## Anti-B Raf Picoband 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

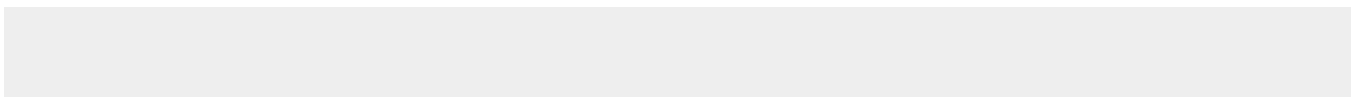
Brain and testis.

## Anti-B Raf Picoband Antibody - Protocols

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

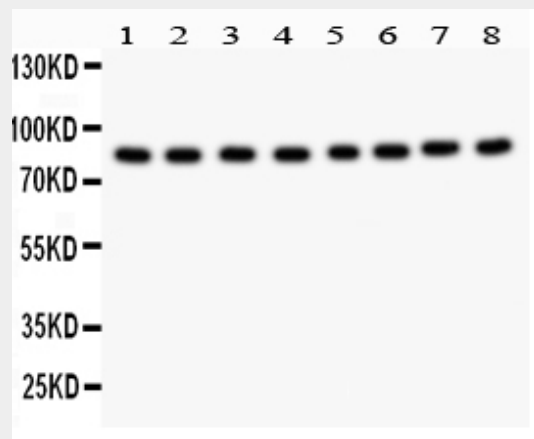
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## Anti-B Raf Picoband Antibody - Images





All lanes: Anti B Raf (ABO11860) at 0.5ug/mlWB: Recombinant Human B Raf Protein 0.5ng Predicted bind size: 40KD Observed bind size: 40KD



All lanes: Anti B Raf (ABO11860) at 0.5ug/ml Lane 1: Rat Testis Tissue at 50ug Lane 2: Rat Brain Tissue at 50ug Lane 3: Mouse Testis Tissue at 50ug Lane 4: Mouse Brain Tissue at 50ug Lane 5: Hela Whole Cell Lysate at 40ug Lane 6: Jurkat Whole Cell Lysate at 40ug Lane 7: MCF-7 Whole Cell Lysate at 40ug Lane 8: K562 Whole Cell Lysate at 40ug Predicted bind size: 84KD Observed bind size: 84KD

**Anti-B Raf Picoband Antibody - Background**

BRAF (v-raf murine sarcoma viral oncogene homolog B1) is a human gene that makes a protein called B-Raf. It is a member of the Raf kinase family of growth signal transduction protein kinases. This protein plays a role in regulating the MAP kinase/ERKs signaling pathway, which affects cell division, differentiation, and secretion. It is mapped to 7q34. Mutations in this gene are associated with cardiofaciocutaneous syndrome, a disease characterized by heart defects, mental retardation and a distinctive facial appearance. The BRAF protein is also involved in sending signals inside cells, which are involved in directing cell growth.