

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

Application	WB
Primary Accession	P15056
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 Na₂HPO₄, 0.05mg Na₃.

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

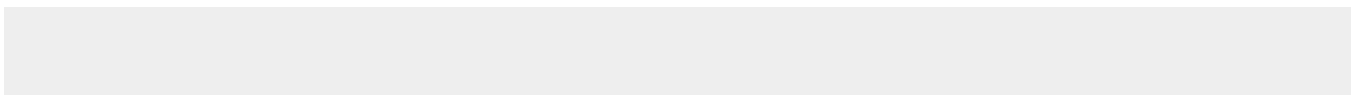
Brain and testis.

Anti-B Raf Picoband Antibody - Protocols

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

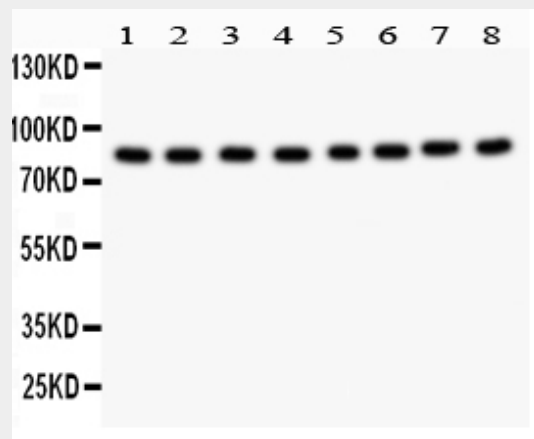
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

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.