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Anti-B Raf Picoband Antibody

Catalog # ABO11860

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.

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
Application Details	Western blot, 0.1-0.5 □g/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.
Source	Eukaryota
Protein Name	Serine/threonine-protein kinase B-raf
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
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.

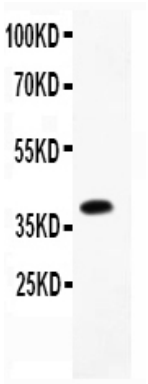
Protein Information

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, PubMed:29433126). Phosphorylates PFKFB2 (PubMed:36402789). May play a role in the postsynaptic responses of hippocampal neurons (PubMed:1508179).
Cellular Location	Nucleus. Cytoplasm. Cell membrane. Note=Colocalizes with RGS14 and RAF1 in both the cytoplasm and membranes.
Tissue Location	Brain and testis.

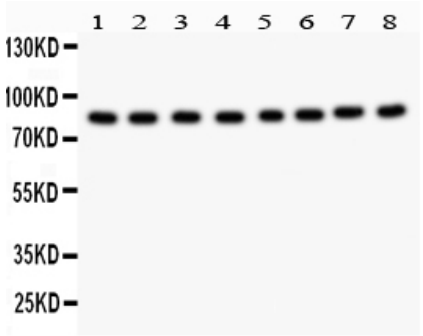
Background

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.

Images



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



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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.