

Anti-B Raf Antibody

Catalog # ABO11156

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 µg/ml, Human, Rat, Mouse
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 Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg Na ₃ N.
Immunogen	A synthetic peptide corresponding to a sequence in the middle region of human B Raf(344-362aa QPFRPADEDHRNQFGQRDR), identical to the related rat and mouse sequences.
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

Sequence Similarities

be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.
Belongs to the protein kinase superfamily. TKL Ser/Thr protein kinase family. RAF subfamily.

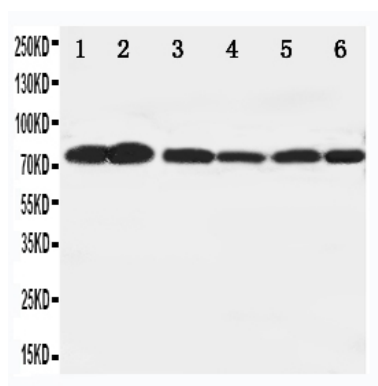
Protein Information

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, also known as ONCOGENE BRAF, BRAF1, RAFB1, Proto-oncogene B-Raf p94, v-Raf murine sarcoma viral oncogene homolog B1, proto-oncogene B-Raf, v-Raf murine sarcoma viral oncogene homolog B1, while the protein is more formally known as serine/threonine-protein kinase B-Raf. BRAF deduced 651-amino acid protein has a calculated molecular mass of 72.5 kD. Northern blot analysis detected transcripts of 10 and 13 kb in cerebrum, fetal brain, and placenta and transcripts of 2.6 and 4.5 kb in testis. Testis also showed lower expression of the 10- and 13-kb transcripts. B-Raf is a member of the Raf kinase family of serine/threonine-specific protein kinases. This protein plays a role in regulating the MAP kinase/ERKs signaling pathway, which affects cell division, differentiation, and secretion.

Images



Anti-B Raf antibody, ABO11156, Western blotting
Lane 1: Rat Brain Tissue Lysate
Lane 2: Rat Testis Tissue Lysate
Lane 3: Rat Liver Tissue Lysate
Lane 4: SW620 Cell Lysate
Lane 5: COLO320 Cell Lysate
Lane 6: PC-12 Cell Lysate

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