RAF-B Antibody – Polyclonal

PRODUCT OVERVIEW

Product Name	Raf-B, Polyclonal Antibody
Full Product Name	Raf-B Polyclonal Antibody
Product Gene Name	anti-Raf-B antibody
Clonality	Polyclonal
Molecular Weight	84,437 Da
OMIM	114500
3D Structure	ModBase 3D Structure for P15056
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for anti-Raf-B antibody	MBS8524969 is an antibody targeting Raf-B. Also known as Raf-B Polyclonal Antibody.
Other Notes	Small volumes of anti-Raf-B antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Raf-B. It may not necessarily be applicable to this product.

NCBI GI #	33188459
NCBI GeneID	673
NCBI Accession #	NP_004324.2
UniProt Primary Accession #	P15056
UniProt Secondary Accession #	Q13878; Q3MIN6; Q9UDP8; Q9Y6T3; A4D1T4; B6HY61; B6HY62; B6HY63; B6HY64; B6HY65; B6HY66
UniProt Related Accession #	P15056
GenBank Nucleotide #	NM_004333.5
NCBI Official Full Name	serine/threonine-protein kinase B-raf isoform 1
NCBI Official Synonym Full Names	B-Raf proto-oncogene, serine/threonine kinase
NCBI Official Symbol	BRAF
NCBI Official Synonym Symbols	NS7; B-raf; BRAF1; RAFB1; B-RAF1
UniProt Protein Name	Serine/threonine-protein kinase B-raf
UniProt Synonym Protein Names	Proto-oncogene B-Raf; p94; v-Raf murine sarcoma viral oncogene homolog B1
UniProt Gene Name	BRAF
UniProt Synonym Gene Names	BRAF1; RAFB1
NCBI Protein Information	serine/threonine-protein kinase B-raf

NCBI Summary for Raf-B	This gene encodes a protein belonging to the RAF family of serine/threonine protein kinases. This protein plays a role in regulating the MAP kinase/ERK signaling pathway, which affects cell division, differentiation, and secretion. Mutations in this gene, most commonly the V600E mutation, are the most frequently identified cancer-causing mutations in melanoma, and have been identified in various other cancers as well, including non-Hodgkin lymphoma, colorectal cancer, thyroid carcinoma, non-small cell lung carcinoma, hairy cell leukemia and adenocarcinoma of lung. Mutations in this gene are also associated with cardiofaciocutaneous, Noonan, and Costello syndromes, which exhibit overlapping phenotypes. A pseudogene of this gene has been identified on the X chromosome. [provided by RefSeq, Aug 2017]
UniProt Comments for Raf-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.
Research Articles on Raf-B	**1.** We report acquisition of a BRAF fusion as a novel mechanism of acquired resistance to vemurafenib in a patient with melanoma harboring a BRAF(V600E) mutation.
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