10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.622.0609

B-RAF Blocking Peptide (S364)

Synthetic peptide

Catalog # BP7810m

Specification

B-RAF Blocking Peptide (S364) - Product Information

Primary Accession	P15056
Other Accession	P28028, Q04982

B-RAF Blocking Peptide (S364) - Additional Information

Gene ID 673

Other Names
Serine/threonine-protein kinase B-raf, Proto-oncogene B-Raf, p94, v-Raf murine sarcoma viral oncogene homolog B1, BRAF, BRAF1, RAFB1

Target/Specificity
The synthetic peptide sequence is selected from aa 358-372 of HUMAN BRAF

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

B-RAF Blocking Peptide (S364) - Protein Information

Name BRAF (HGNC:1097)

Synonyms BRAF1, RAFB1

Function
Protein kinase involved in the transduction

B-RAF Blocking Peptide (S364) - Background

BRAF, a member of the RAF subfamily of Ser/Thr protein kinases, is involved in the transduction of mitogenic signals from the cell membrane to the nucleus. It may play a role in the postsynaptic responses of hippocampal neuron. This cytoplasmic protein is expressed in brain and testis. Defects in BRAF are involved in a wide range of cancers including lung cancer and non-Hodgkin lymphoma (NHL). This protein contains 1 zinc-dependent phorbol-ester and DAG binding domain.

B-RAF Blocking Peptide (S364) - References

Loewe, R., et al., J. Invest. Dermatol. 123(4):733-736 (2004).
Yamaguchi, T., et al., J. Biol. Chem. 279(39):40419-40430 (2004).
Frattini, M., et al., Oncogene 23(44):7436-7440 (2004).
Tsavachidou, D., et al., Cancer Res. 64(16):5556-5559 (2004).
Gear, H., et al., Invest. Ophthalmol. Vis. Sci. 45(8):2484-2488 (2004).

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). 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.

B-RAF Blocking Peptide (S364) - Protocols

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

- Blocking Peptides