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BRAF Antibody (Center S364) Blocking peptide
Synthetic peptide
Catalog # BP12058c

Specification

BRAF Antibody (Center S364) Blocking peptide - Product Information

Primary Accession P15056

BRAF Antibody (Center S364) Blocking peptide - 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

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.

BRAF Antibody (Center S364) Blocking peptide - 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.

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BRAF Antibody (Center S364) Blocking peptide - Protocols

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

- Blocking Peptides

BRAF Antibody (Center S364) Blocking peptide - Images

BRAF Antibody (Center S364) Blocking peptide - Background

This gene encodes a protein belonging to the raf/milfamily of serine/threonine protein kinases. This protein plays arole in regulating the MAP kinase/ERKs signaling pathway, whichaffects cell division, differentiation, and secretion. Mutations inthis gene are associated with cardiofaciocutaneous syndrome, adisease characterized by heart defects, mental retardation and adistinctive facial appearance. Mutations in this gene have alsobeen associated with various cancers, including non-Hodgkinlymphoma, colorectal cancer, malignant melanoma, thyroid carcinoma,non-small cell lung carcinoma, and adenocarcinoma of lung. Apseudogene, which is located on chromosome X, has been identifiedfor this gene.

BRAF Antibody (Center S364) Blocking peptide - References

Weisbart, R.H., et al. J. Biol. Chem. 285(45):34299-34303(2010)Agaimy, A., et al. Am. J. Surg. Pathol. 34(11):1663-1671(2010)Bruckman, K.C., et al. Oral Surg Oral Med Oral Pathol Oral Radiol Endod 110(5):632-637(2010)Sviatoha, V., et al. Anticancer Res. 30(9):3267-3272(2010)Corbo, V., et al. PLoS ONE 5 (9), E12653 (2010) :