

B-RAF Antibody (S428) Blocking peptide
Synthetic peptide
Catalog # BP7810I**Specification****B-RAF Antibody (S428) Blocking peptide -
Product Information**Primary Accession [P15056](#)**B-RAF Antibody (S428) 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

Target/Specificity

The synthetic peptide sequence used to
generate the antibody [<a href=/product/pr
oducts/AP7810I>AP7810I](#) was selected
from the S428 region of human BRAF. A 10
to 100 fold molar excess to antibody is
recommended. Precise conditions should be
optimized for a particular assay.

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 Antibody (S428) Blocking peptide - Protein
Information****Name BRAF** ([HGNC:1097](#))**B-RAF Antibody (S428) Blocking peptide -
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 Antibody (S428) Blocking peptide -
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).

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). 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 Antibody (S428) Blocking peptide - Protocols

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

- [Blocking Peptides](#)