

NTRK3 Blocking Peptide (Center)
Synthetic peptide
Catalog # BP21038a**Specification****NTRK3 Blocking Peptide (Center) - Product Information**

Primary Accession [Q16288](#)
Other Accession [P24786](#), [Q5IFJ9](#)

NTRK3 Blocking Peptide (Center) - Additional Information

Gene ID 4916

Other Names

NT-3 growth factor receptor, GP145-TrkC, Trk-C, Neurotrophic tyrosine kinase receptor type 3, TrkC tyrosine kinase, NTRK3, TRKC

Target/Specificity

The synthetic peptide sequence is selected from aa 393-406 of HUMAN NTRK3

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.

NTRK3 Blocking Peptide (Center) - Protein Information

Name NTRK3

Synonyms TRKC

Function

Receptor tyrosine kinase involved in

NTRK3 Blocking Peptide (Center) - Background

Receptor for neurotrophin-3 (NT-3). This is a tyrosine- protein kinase receptor. Known substrates for the trk receptors are SHC1, PI-3 kinase, and PLCG1. The different isoforms do not have identical signaling properties.

NTRK3 Blocking Peptide (Center) - References

McGregor L.M.,et al.Genomics 22:267-272(1994).
Shelton D.L.,et al.J. Neurosci. 15:477-491(1995).
Ichaso N.,et al.Oncogene 17:1871-1875(1998).
Ultsch M.H.,et al.J. Mol. Biol. 290:149-159(1999).
Greenman C.,et al.Nature 446:153-158(2007).

nervous system and probably heart development. Upon binding of its ligand NTF3/neurotrophin-3, NTRK3 autophosphorylates and activates different signaling pathways, including the phosphatidylinositol 3-kinase/AKT and the MAPK pathways, that control cell survival and differentiation.

Cellular Location

Membrane; Single-pass type I membrane protein.

Tissue Location

Widely expressed but mainly in nervous tissue. Isoform 2 is expressed at higher levels in adult brain than in fetal brain

NTRK3 Blocking Peptide (Center) - Protocols

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

- [Blocking Peptides](#)