

NTRK3 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP6818b**Specification**

NTRK3 Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [Q16288](#)**NTRK3 Antibody (C-term) Blocking Peptide - 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 used to generate the antibody [AP6818b](/products/AP6818b) was selected from the C-term region of human NTRK3. 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.

NTRK3 Antibody (C-term) Blocking Peptide - Protein Information**Name** NTRK3**Synonyms** TRKC**Function**

Receptor tyrosine kinase involved in 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 Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

NTRK3 Antibody (C-term) Blocking Peptide - Images

NTRK3 Antibody (C-term) Blocking Peptide - Background

NTRK3 is a member of the neurotrophic tyrosine receptor kinase (NTRK) family. This kinase is a membrane-bound receptor that, upon neurotrophin binding, phosphorylates itself and members of the MAPK pathway. Signalling through this kinase leads to cell differentiation and may play a role in the development of proprioceptive neurons that sense body position.

NTRK3 Antibody (C-term) Blocking Peptide - References

Yerges,L.M., et.al., J. Bone Miner. Res. (2009)