

Product datasheet for **CF500539**

TrkC (NTRK3) Mouse Monoclonal Antibody [Clone ID: OTI19B8]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI19B8
Applications:	WB
Recommended Dilution:	WB 1:500
Reactivity:	Human, Dog, Rat, Mouse
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full-length protein expressed in 293T cell transfected with human NTRK3 expression vector
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	94.4 kDa
Gene Name:	neurotrophic receptor tyrosine kinase 3
Database Link:	NP_001007157 Entrez Gene 18213 MouseEntrez Gene 29613 RatEntrez Gene 100856261 DogEntrez Gene 4916 Human Q16288



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Background:

This gene encodes 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. Mutations in this gene have been associated with medulloblastomas, secretory breast carcinomas and other cancers.

Synonyms:

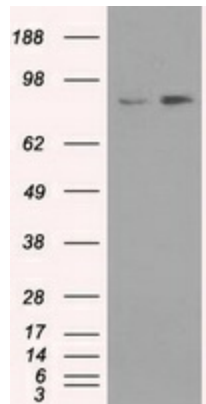
gp145(trkC); TRKC

Protein Families:

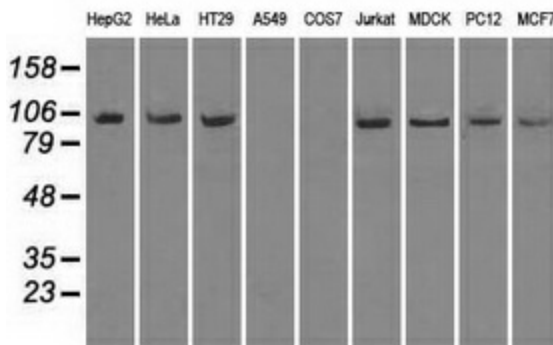
Druggable Genome, Protein Kinase, Transmembrane

Protein Pathways:

Neurotrophin signaling pathway

Product images:


HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY NTRK3 ([RC203781], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-NTRK3.



Western blot analysis of extracts (35ug) from 9 different cell lines by using anti-NTRK3 monoclonal antibody.