Recombinant NTRK3 (Neurotrophic Receptor Tyrosine Kinase 3) Antibody

Rabbit Monoclonal Antibody [Clone NTRK3/13679R]

Catalog No	Format	Size
4916-RBM7-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
4916-RBM7-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
4916-RBM7-P1ABX	Purified Ab WITHOUT BSA or Azide at 1.0mg/ml	100 ug

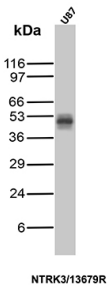
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

Clone	NTRK3/13679R
Immunogen	Recombinant fragment (around aa193-285) of the human NTRK3 (Neurotrophic Receptor Tyrosine Kinase 3) protein (exact sequence is proprietary)
Host	Rabbit
Clonality	Monoclonal
Isotype / Light Chain	IgG / Kappa
Mol. Weight of Antigen	94.43kDa
Cellular Localization	Membrane
Species Reactivity	Human
Positive Control	Human brain. U-87.

**Optimal dilution for a specific application should be determined.*

Product Images for Recombinant NTRK3 (Neurotrophic Receptor Tyrosine Kinase 3) Antibody



Western Blot Analysis of U-87 cell lysate using NTRK3 Recombinant Rabbit Monoclonal Antibody (NTRK3/13679R).

Specificity & Comments

The Trk proto-oncogene encodes a tyrosine protein kinase, Trk A, also designated Trk gp140, that serves as a receptor for certain neurotrophic factors including nerve growth factor (NGF) and neurotrophin-3 (NT-3). Trk B is a tyrosine kinase gene highly related to Trk A. Trk B expression is confined to tissues within the central and peripheral nervous systems. The brain-derived neurotrophic factor (BDNF) and NT-3, but not NGF, can induce rapid phosphorylation on tyrosine of Trk B gp145, one of the receptors encoded by Trk B, although BDNF elicits a response at least two orders of magnitude greater than NT-3. Thus it appears that Trk B gp145 may represent a neurotrophic receptor for BDNF and NT-3. The third member of the Trk family of tyrosine kinases, Trk C, is mainly expressed in nervous tissue, and is a functional receptor for NT-3. Four forms of Trk C are produced by alternative splicing. Isoform A is full length Trk C, isoform B differs from A between amino acids 529 to 612 and is missing amino acids 613 to 839. Trk C, isoform C is missing amino acids 712 to 725 and isoform D is missing amino acids 402 to 410.

Supplied As

200ug/ml of Ab produced in a mammalian-based expression system. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.