Recombinant NTRK2 (Neurotrophic Receptor Tyrosine Kinase 2) Antibody

Rabbit Monoclonal Antibody [Clone NTRK2/13430R]

Catalog No	Format	Size
4915-RBM13-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
4915-RBM13-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
4915-RBM13-P1ABX	Purified Ab WITHOUT BSA or Azide at 1.0mg/ml	100 ug

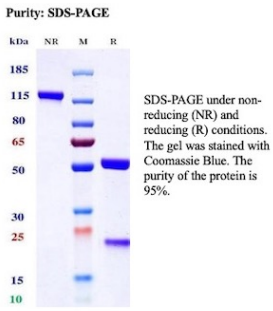
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

Clone	NTRK2/13430R
Immunogen	Recombinant fragment (around aa1-822) of the human TrkB protein (exact sequence is proprietary)
Host	Rabbit
Clonality	Monoclonal
Isotype / Light Chain	IgG / Kappa
Mol. Weight of Antigen	92.0kDa
Cellular Localization	Axon, Cell membrane, Cell projection, Cytoplasm, Dendrite, Early endosome membrane, Endosome membrane, Perinuclear region, Postsynaptic density
Species Reactivity	Human
Positive Control	Human brain tissue.

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

Product Images for Recombinant NTRK2 (Neurotrophic Receptor Tyrosine Kinase 2) Antibody



SDS-PAGE Analysis of Purified NTRK2 Recombinant Rabbit Monoclonal Antibody (NTRK2/13430). Confirmation of Purity and Integrity of Antibody.

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 NTRK2, 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, encodes a protein designated Trk C gp145 that is preferentially expressed in brain tissue, is equally related to Trk A and Trk B and is a functional receptor for NT-3.

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.