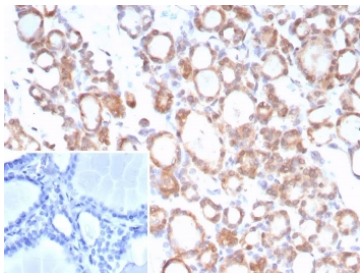
TrkB Antibody / NTRK2 [clone NTRK2/7929] (V5601)

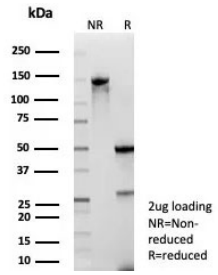
Catalog No.	Formulation	Size
V5601-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V5601-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V5601SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2c, Lambda
Clone Name	NTRK2/7929
Purity	Protein A/G affinity
UniProt	Q16620
Localization	Cell surface, cytoplasm
Applications	Immunohistochemistry (FFPE) : 1-2ug/ml
Limitations	This TrkB antibody is available for research use only.



IHC staining of FFPE human thyroid tissue with TrkB antibody (clone NTRK2/7929). Inset: PBS used in place of primary Ab (secondary Ab negative control). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



SDS-PAGE analysis of purified, BSA-free TrkB antibody (clone NTRK2/7929) as confirmation of integrity and purity.

Description

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.

Application Notes

Optimal dilution of the TrkB antibody should be determined by the researcher.

Immunogen

A recombinant fragment (within amino acids 250-450) of human NTRK2 protein was used as the immunogen for the TrkB antibody.

Storage

Aliquot the TrkB antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com