

## Product datasheet for **TA325758**

### TrkB (NTRK2) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB: 1:500-1:2000; IHC: 1:50-1:200
Reactivity:	Human, Mouse, Rat
Modifications:	Phospho-specific
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The antiserum was produced against A synthesized peptide derived from human Trk B around the phosphorylation site of Tyrosine 515 (peptide seq 509-521aa: VIENPQY(p)FGITN)
Formulation:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration:	lot specific
Purification:	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific peptide.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	145 kDa
Gene Name:	neurotrophic receptor tyrosine kinase 2
Database Link:	<a href="#">NP_001007098</a> <a href="#">Entrez Gene 18212 Mouse</a> <a href="#">Entrez Gene 25054 Rat</a> <a href="#">Entrez Gene 4915 Human</a> <a href="#">Q16620</a>
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.



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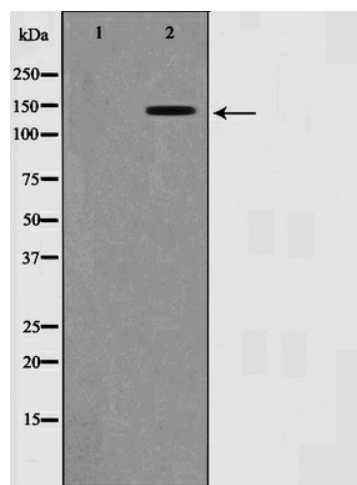
**Synonyms:** GP145-TrkB; trk-B; TRKB

**Note:** The amino acid position may vary depending on the source of reference sequence: position 516 base on NP\_001018074.1, position 532 base on NP\_006171.2.

**Protein Families:** Druggable Genome, Protein Kinase, Transmembrane

**Protein Pathways:** MAPK signaling pathway, Neurotrophin signaling pathway

**Product images:**



Western blot analysis of Trk B phosphorylation expression in NIH-3T3 whole cell lysates, The lane on the left is treated with the antigen-specific peptide.