

Product datasheet for **TA321258**

TrkA (NTRK1) Rabbit Polyclonal Antibody

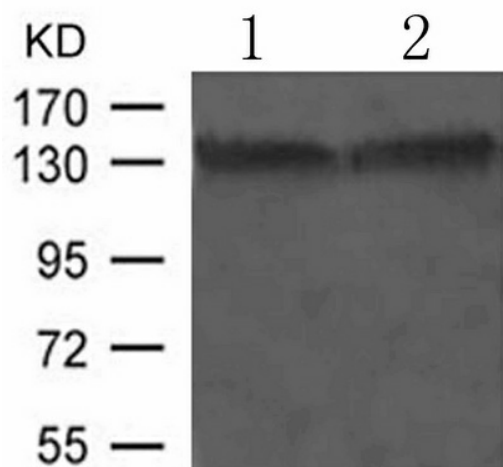
Product data:

Product Type:	Primary Antibodies
Applications:	IF, WB
Recommended Dilution:	ELISA: IF
Reactivity:	Human
Modifications:	Phospho-specific
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Peptide sequence around phosphorylation site of tyrosine791 (P-V-Y(p)-L-D) derived from Human TrkA.
Formulation:	PBS pH7.3, 0.05% NaN ₃ , 50% glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	140 kDa
Gene Name:	neurotrophic receptor tyrosine kinase 1
Database Link:	NP_002520 Entrez Gene 4914 Human P04629
Background:	Required for high-affinity binding to nerve growth factor (NGF), neurotrophin-3 and neurotrophin-4/5 but not brain-derived neurotrophic factor (BDNF). Known substrates for the Trk receptors are SHC1, PI 3-kinase, and PLC-gamma-1. Has a crucial role in the development and function of the nociceptive reception system as well as establishment of thermal regulation via sweating. Activates ERK1 by either SHC1- or PLC-gamma-1-dependent signaling pathway.

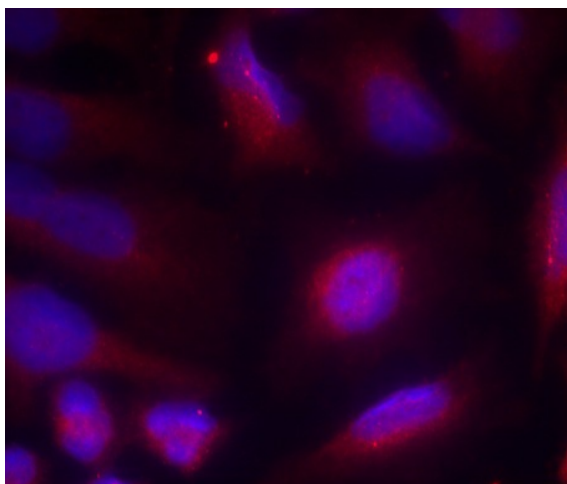


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Synonyms: MTC; p140-TrkA; TRK; Trk-A; TRK1; TRKA
Protein Families: Druggable Genome, Protein Kinase, Transmembrane
Protein Pathways: Apoptosis, Endocytosis, MAPK signaling pathway, Neurotrophin signaling pathway, Pathways in cancer, Thyroid cancer

Product images:


Predicted band size: 140 kDa. Positive control: Rat and Mouse brain tissue lysate. Recommended dilution: 1/ 500-1000. (Gel: 8%SDS-PAGE Lane 1, 2: Rat and Mouse brain tissue lysate Lysates: 30 ug per lane Primary antibody: 1/500 dilution Secondary antibody: Goat anti Rabbit IgG - H&L (HRP) at 1/10000 dilution Exposure time: 1 minute)



Predicted cell location: Cell membrane. Positive control: HeLa cells. Recommended dilution: 1/ 100-200. The image is immunofluorescence of methanol-fixed HeLa cells using NTRK1 (Phospho-Ser791) antibody at dilution 1/100. (Original magnification: ×200)