

Product datasheet for **TA328905**

Ntrk1 Rabbit Polyclonal Antibody

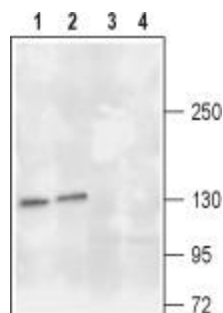
Product data:

Product Type:	Primary Antibodies
Applications:	FC, IF, IHC, WB
Recommended Dilution:	WB: 1:200-1:2000; IHC: 1:100-1:3,000; FC: 1:50-1:600
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Peptide (C)ETMRHG(S)LRLNQPTH, corresponding to amino acid residues 342-356 of rat TrkA . Extracellular, 2nd nd immunoglobulin-like domain.
Formulation:	Lyophilized. Concentration before lyophilization ~0.8mg/ml (lot dependent, please refer to CoA along with shipment for actual concentration). Buffer before lyophilization: Phosphate buffered saline (PBS), pH 7.4, 1% BSA, 0.025% NaN ₃ .
Reconstitution Method:	Add 50 ul double distilled water (DDW) to the lyophilized powder.
Purification:	Affinity purified on immobilized antigen.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	neurotrophic receptor tyrosine kinase 1
Database Link:	NP_067600 Entrez Gene 4914 Human Entrez Gene 18211 Mouse Entrez Gene 59109 Rat P35739
Background:	NGF was the first neurotrophin to be discovered, more than 50 years ago. Three other proteins have been added to the list: BDNF, NT-3 and NT-4 (NT-4/5). These neurotrophins bind two groups of receptors. The p75NTR receptor is common to all four neurotrophins and is a member of the tumor necrosis factor receptor family. The tropomyosin-related kinase (Trk) receptors are receptor tyrosine kinases (RTKs) and three receptors form this family: TrkA, TrkB, and TrkC1.
Synonyms:	DKFZp78114186; MTC; p140-TrkA; TRK; Trk-A; TRK1; TRKA
Note:	This antibody was tested in live cell imaging. Please see IF/ICC data for detail.

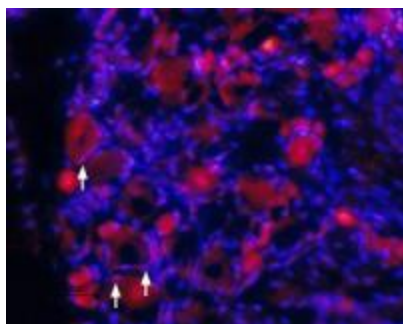


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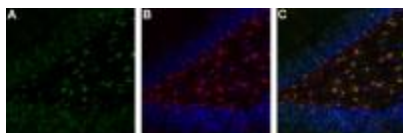
Product images:



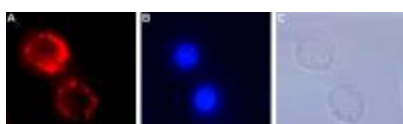
Western blot analysis of rat (lanes 1 and 3) and mouse (lanes 2 and 4) brain lysates: 1, 2. Anti-TrkA (extracellular) antibody, (1:200). 3, 4. Anti-TrkA (extracellular) antibody, preincubated with the control peptide antigen.



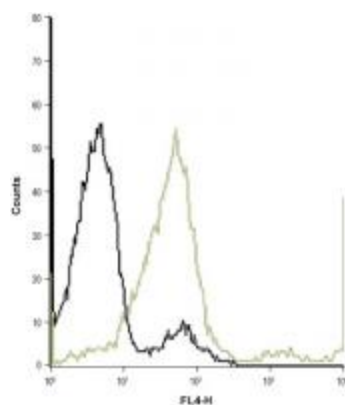
Expression of TrkA in rat DRG. Immunohistochemical staining of rat dorsal root ganglia (DRG) frozen sections using Anti-TrkA (extracellular) antibody, (1:100). TrkA (red staining) is expressed in DRG neurons and in satellite microglia (arrows). Hoechst 33342 is used as the counterstain.



Expression of TrkA in rat brain hippocampal dentate gyrus. Immunohistochemical staining of immersion-fixed, free floating rat brain frozen sections. A. Brain sections were stained using Anti-TrkA (extracellular) antibody, (1:1000), (green staining). B. The same section was also stained for glial fibrillary acidic protein (GFAP) (red and counterstained blue). C. Overlay of A and B demonstrates co-localization of TrkA and GFAP in dentate gyrus astrocytes.



Expression of TrkA in live intact rat PC12 cells. Immunocytochemical staining of live intact rat PC12 cells. A. Cells were stained with Anti-TrkA (extracellular) antibody (1:50), followed by goat anti-rabbit-AlexaFluor-494 secondary antibody (red). B. Cell nuclei were visualized with the membrane-permeable DNA dye Hoechst 33342 (blue staining). C. Live view of the cells.



Indirect flow cytometry analysis of live intact Jurkat (human T cell leukemia) cell line: black line: Cells + goat-anti-rabbit-Cy5. Green line: Cells + Anti-TrkA (extracellular) antibody, (1:25) + goat-anti-rabbit-Cy5.