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# Product datasheet for TA325755

## TrkA (NTRK1) Rabbit Polyclonal Antibody

### Product data:

| | |
|---|---|
| **Product Type:** | Primary Antibodies |
| **Applications:** | WB |
| **Recommended Dilution:** | WB: 1:500-1:2000 |
| **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 A around the phosphorylation site of Tyrosine 680+Tyrosine 681 |
| **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:** | 87 kDa |
| **Gene Name:** | neurotrophic receptor tyrosine kinase 1 |
| **Database Link:** | NP_001007793<br>Entrez Gene 18211 MouseEntrez Gene 59109 RatEntrez Gene 4914 Human<br>P04629 |

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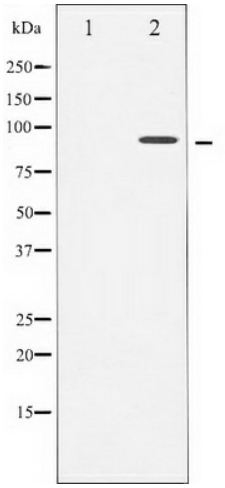
**Background:** This gene encodes a member of the neurotrophic tyrosine kinase receptor (NTKR) family. This kinase is a membrane-bound receptor that, upon neurotrophin binding, phosphorylates itself and members of the MAPK pathway. The presence of this kinase leads to cell differentiation and may play a role in specifying sensory neuron subtypes. Mutations in this gene have been associated with congenital insensitivity to pain, anhidrosis, self-mutilating behavior, mental retardation and cancer. Alternate transcriptional splice variants of this gene have been found, but only three have been characterized to date.

**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:




Western blot analysis of Trk A phosphorylation expression in starved treated Jurkat whole cell lysates, The lane on the left is treated with the antigen-specific peptide.