

Product datasheet for **TA325755S**

TrkA (NTRK1) Rabbit Polyclonal Antibody

Product data:

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| 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 Entrez Gene 18211 Mouse Entrez Gene 59109 Rat Entrez Gene 4914 Human P04629 |



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Background:

This gene encodes a member of the neurotrophic tyrosine kinase receptor (NTRK) 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:

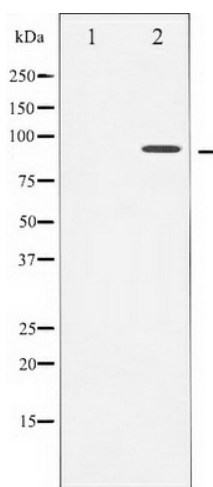
MTC; p140-TrkA; TRK; Trk-A; TRK1; TRKA

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.