

Product datasheet for **AP55776PU-N**

TrkA (NTRK1) pTyr757 Rabbit Polyclonal Antibody

Product data:

| | |
|-------------------------|---|
| Product Type: | Primary Antibodies |
| Applications: | IHC |
| Recommended Dilution: | Immunohistochemistry on paraffin sections: 1:50~1:100 . |
| Reactivity: | Human, Mouse |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Immunogen: | Peptide sequence around phosphorylation site of tyrosine 757 (E-V-Y(p)-A-I) derived from Human Trk A (KLH-conjugated) |
| Specificity: | The antibody detects endogenous levels of Trk A only when phosphorylated at tyrosine 757. |
| Formulation: | Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol State: Aff - Purified State: Liquid Ig fraction |
| Concentration: | lot specific |
| Purification: | Affinity chromatography using epitope-specific peptide |
| Conjugation: | Unconjugated |
| Storage: | Upon receipt, store undiluted (in aliquots) at -20°C. Avoid repeated freezing and thawing. |
| Stability: | Shelf life: one year from despatch. |
| Predicted Protein Size: | 87 kDa |
| Gene Name: | neurotrophic receptor tyrosine kinase 1 |
| Database Link: | Entrez Gene 4914 Human P04629 |



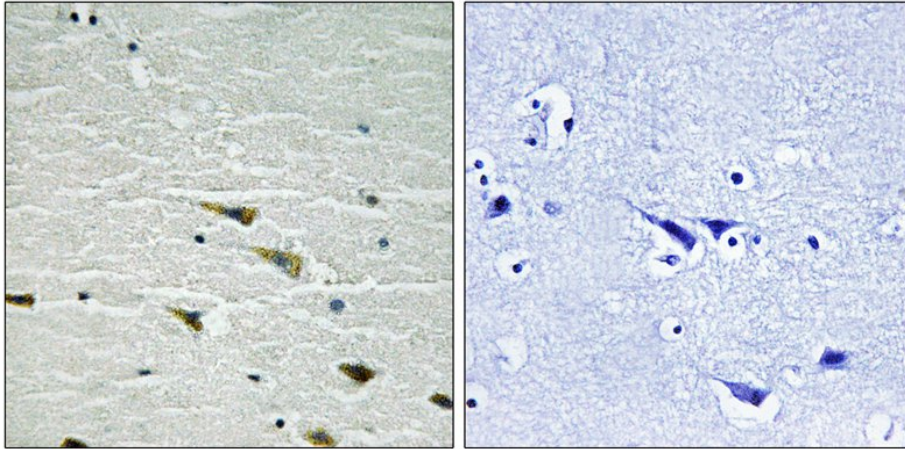
[View online »](#)

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.

Synonyms:

NTRK1, TRK, Trk-A

Product images:

Immunohistochemical analysis of paraffin-embedded human brain tissue using Trk A (Phospho-Tyr757) antibody (left) or the same antibody preincubated with blocking peptide (right).