

Product datasheet for **AP55689PU-S**

TrkA (NTRK1) pTyr791 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC
Recommended Dilution:	Immunohistochemistry on paraffin sections: 1:50~1:100.
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Peptide sequence around phosphorylation site of tyrosine 791 (P-V-Y(p)-L-D) derived from Human Trk A (KLH-conjugated)
Specificity:	The antibody detects endogenous levels of Trk A only when phosphorylated at tyrosine 791.
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:	60 kDa
Gene Name:	neurotrophic receptor tyrosine kinase 1
Database Link:	Entrez Gene 4914 Human P04629



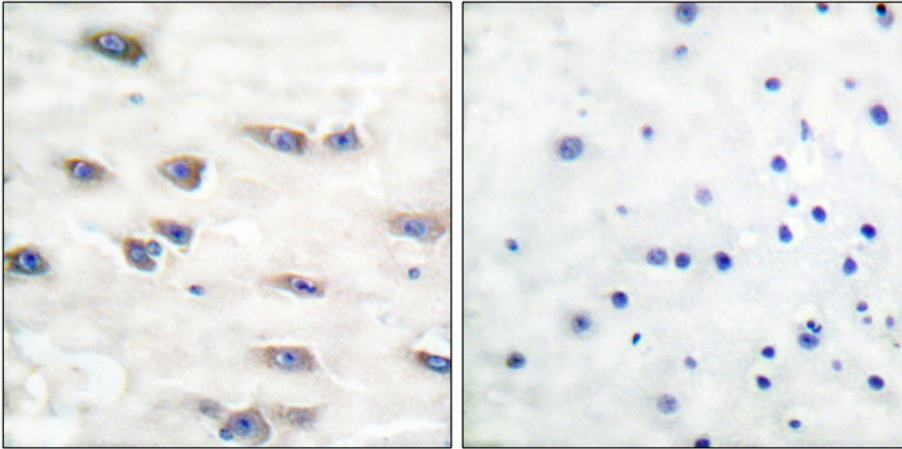
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Background:

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-Tyr791) antibody (left) or the same antibody preincubated with blocking peptide (right).