

Trk A (Phospho-Tyr680/681) Conjugated Antibody

Catalog No: #C11904

Package Size: #C11904-AF350 100ul #C11904-AF405 100ul #C11904-AF488 100ul

#C11904-AF555 100ul #C11904-AF594 100ul #C11904-AF647 100ul

#C11904-AF680 100ul #C11904-AF750 100ul #C11904-Biotin 100ul

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Description

| | |
|-----------------------|--|
| Product Name | Trk A (Phospho-Tyr680/681) Conjugated Antibody |
| Host Species | Rabbit |
| Clonality | Polyclonal |
| Species Reactivity | Hu Ms Rt |
| Specificity | The antibody detects endogenous level of Trk A only when phosphorylated at tyrosine 680/tyrosine 681. |
| Immunogen Description | Peptide sequence around phosphorylation site of tyrosine 680/tyrosine 681 (T-D-Y(p)-Y(p)-R-V) derived from Human Trk A. |
| Conjugates | Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750 |
| Other Names | High affinity nerve growth factor receptor precursor;NTRK1;Slow nerve growth;TRK;Trk-A |
| Accession No. | Swiss-Prot#:P04629NCBI Gene ID:4914NCBI mRNA#:NM_001007792.1NCBI Protein#: NP_001007793.1 |
| Uniprot | P04629 |
| GeneID | 4914; |
| Excitation Emission | AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm |
| Calculated MW | 87 |
| Formulation | 0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide |
| Storage | Store at 4°C in dark for 6 months |

Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Product Description

Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using non-phosphopeptide.

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.

Note: This product is for in vitro research use only