

Trk A (Phospho-Tyr680/681) Conjugated Antibody

Catalog No: #C11904



Package Size: #C11904-AF350 100ul #C11904-AF405 100ul #C11904-AF488 100ul
 #C11904-AF594 100ul #C11904-AF647 100ul #C11904-AF680 100ul
 #C11904-AF750 100ul #C11904-Biotin 100ul

Orders: order@signalwayantibody.com
 Support: tech@signalwayantibody.com

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 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
Calculated MW	87
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 10mg/ml Bovine Serum Albumin, 0.05% 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

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

Biotin conjugated: working with enzyme-conjugated streptavidinO most applications: 1: 50 - 1: 1,000

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 and is not intended for use in humans or animals.