



Trk A (Phospho-Y496) Antibody

Cat No.:ES12561

For research use only

Overview

Product Name	Trk A (Phospho-Y496) Antibody
Host species	Rabbit
Applications	WB; IF; ELISA
Species Cross-Reactivity	Human; Mouse; Rat
Recommended dilutions	WB 1:500-2000; IF/ICC 1:100-500; ELISA 1:5000-20000
Immunogen	Synthesized pospho peptide derived from human Trk A (Phospho-Y496)
Specificity	This antibody detects endogenous pospho levels of human Trk A (Phospho-Y496)
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Trk A (Phospho-Y496)
Gene Name	NTRK1 MTC TRK TRKA
Cellular localization	Cell membrane ; Single-pass type I membrane protein . Early endosome membrane ; Single-pass type I membrane protein . Late endosome membrane ; Single-pass type I membrane protein . Recycling endosome membrane ; Single-pass type I membrane protein . Rapidl
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	180kD
Human Gene ID	4914
Human Swiss-Prot Number	P04629
Alternative Names	High affinity nerve growth factor receptor (EC 2.7.10.1;Neurotrophic tyrosine kinase receptor type 1;TRK1-transforming tyrosine kinase protein;Tropomyosin-related kinase A;Tyrosine



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Background

kinase receptor;Tyrosine kinase receptor A;Trk-A;gp140trk;p140-TrkA
This gene encodes a member of the neurotrophic tyrosine kinase receptor (NTKR) 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. [provided by RefSeq, Jul 2008],

Western blot analysis of various lysates, primary antibody was diluted at 1:1000, 4° over night, secondary antibody(cat: RS23920)was diluted at 1:10000, 37° 1hour.

