

Trk A (Phospho-Y496) Antibody

Cat No.:ES12561

For research use only

Overview

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| 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 |





Background

kinase receptor;Tyrosine kinase receptor
A;Trk-A;gp140trk;p140-TrkA)

This gene encodes a member of the neurotrophic tyrosine kinase receptor (NTRK) 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.

