Product Datasheet

TrkA+B+C Antibody

Catalog No: CY5923 Reactivity: Human Mouse Rat

Isotype: Rabbit IgG Applications: WB IHC ICC/IF

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Information

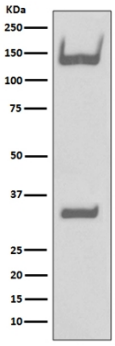
UniProt ID: P04629/Q16288/Q16620
All Names: BDNF/NT-3 growth factors receptor; gp140trk; GP145-TrkB; GP145-TrkC; High affinity nerve growth factor receptor; MTC; Neurotrophic tyrosine kinase receptor type 1; Neurotrophic tyrosine kinase receptor type 2; Neurotrophic tyrosine kinase receptor type 3; NT-3 growth factor receptor; NTRK1; NTRK2; NTRK3; p140-TrkA; TRK;Trk-A;Trk-B; Trk-C; TRK1-transforming tyrosine kinase protein; TRKA; TRKB; TrkB tyrosine kinase; TRKC; TrkC tyrosine kinase; Tropomyosin-related kinase A; Tropomyosin-related kinase B; Tyrosine kinase receptor A; Tyrosine kinase receptor;
Form: Liquid
Storage instructions: Store at +4˚C short term. Store at -20˚C long term. Avoid freeze / thaw cycle.
Storage buffer: pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purity: Affinity-chromatography
Immunogen: A synthesized peptide
Molecular Wt.: 140 kDa

Application

WB 1:1000~1:2000
IHC 1:50~1:200
ICC/IF 1:50~1:200

Background

The family of Trk receptor tyrosine kinases consists of TrkA, TrkB, and TrkC. While the sequence of these family members is highly conserved, they are activated by different neurotrophins: TrkA by NGF, TrkB by BDNF or NT4, and TrkC by NT3. Neurotrophin signaling through these receptors regulates a number of physiological processes, such as cell survival, proliferation, neural development, and axon and dendrite growth and patterning. In the adult nervous system, the Trk receptors regulate synaptic strength and plasticity. TrkA regulates proliferation and is important for development and maturation of the nervous system.



Western blot analysis of TrkA+B+C expression in
Human fetal brain lysate.