
TrkA (6B2) Antibody

Subcategory: Mouse Monoclonal Antibody

Cat. No.: 252878

Unit: 0.1 ml

Description:

TrkA is a 140-kDa cell surface receptor (gp140) expressed in neurons of the sensory spinal and cranial ganglia of neurocrest origin. Nerve growth factor (NGF) stimulates tyrosine phosphorylation of TrkA in neural cell lines and embryonic dorsal root ganglia. TrkA is a receptor of high-affinity for NGF, neurotrophin-3 and neurotrophin 4/5 but not BDNF. TrkA exists in a dynamic equilibrium between monomeric (low affinity) and dimeric (high affinity) structures. TrkA has a crucial role in the development and function of the nociceptive reception system as well as establishment of thermal regulation via sweating. Defects in TrkA are a cause of congenital insensitivity to pain with anhidrosis. Chromosomal aberrations involving TrkA are a cause of thyroid papillary carcinoma.

Isotype: Mouse IgG1

Applications: WB, IF

Species Reactivity: H

Format: Each vial contains 0.1 ml ascitic fluid with 0.03% sodium azide.

Alternate Names: High affinity nerve growth factor receptor; Neurotrophic tyrosine kinase receptor type 1; TRK1-transforming tyrosine kinase protein; p140-TrkA; Trk-A; NTRK1; TRK

Accession No.:

Antigen: Purified recombinant extracellular fragment of human TrkA(aa33-423) fused with hIgGFc tag expressed in HEK293 cell line.

Application Notes: WB: 1:500-1:2000; IF: 1:200-1:1000;

Storage: Store at 4°C for short term use only. Store at -20°C for storage over 1 month. Product is guaranteed 6 months from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.