

TrkA Antibody

Subcategory: Rabbit Polyclonal Antibody

Cat. No.: 250893

Unit: 0.1 mg

Description:

The Trk family of nerve growth factor receptors includes TrkA, TrkB and TrkC. The prototype member of this gene family, TrkA encodes 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: Rabbit Ig

Applications: E, IHC, WB

Species Reactivity: H, M, R

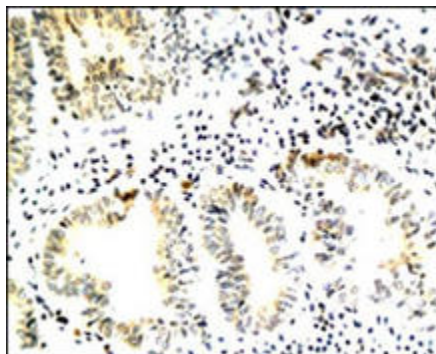
Format: Each vial contains 0.1 mg IgG in 0.1 ml (1 mg/ml) of PBS pH7.4, 25% glycerol, 0.1 mg/ml BSA with 0.09% sodium azide. Antibody was purified by Protein-A and immunogen affinity chromatography.

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.: P04629

Antigen: KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human TrkA.

Application Notes: E: 1:500-1:1,000; WB: 1:200-1:500; IHC: 1:200-1:500



TrkA (tyrosine kinase) staining in human endometrium. Paraffin-embedded human endometrium is stained with TrkA antibody (Cat. No. 250893) used at 1:200 dilution.

Storage: Store at -20°C. Minimize freeze-thaw cycles. Product is guaranteed one year from the date of shipment.

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