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AP00264PU-N Polyclonal Antibody to TrkB - Aff - Purified

Alternate names: BDNF/NT-3 growth factors receptor, GP145-TrkB, NTRK2, Neurotrophic tyrosine kinase receptor type 2, TRKB, TrkB tyrosine kinase

Quantity: 0.1 mg

Concentration: 0.2 mg/ml

Background: Due to the various splice variants, the trk proteins exist as variably glycosylated entities with the major forms having molecular weights of 140-145 kDa, 110 kDa and the unglycosylated form of 80 kDa. trkB contains 33.3% carbohydrate by weight representing modification on 10 of 12 N-glycosylation sites. The primary ligand for trkB is BDNF which induces the phosphorylation of the protein and subsequent binding of PLC-gamma via SH2 domains. TrkB may function to modulate neuronal responses to the neurotrophins acting through trkB such as BDNF.

Uniprot ID: Q16620

NCBI: NP_001007098.1

GeneID: 4915

Host: Rabbit

Immunogen: Synthetic peptide surrounding amino acid 810 of Human TrkB

Format:
State: Liquid purified Ig fraction
Purification: Immunoaffinity Chromatography
Buffer System: PBS containing 30% Glycerol, 0.5% BSA, and 0.01% Thimerosal

Applications:
Western Blot: 0.5-4 µg/ml.
Immunofluorescence: 5-10 µg/ml.
Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity:
Trk protein exists as variably glycosylated entities with the major forms having molecular weights of 140 kDa, 110 kDa, and the unglycosylated form of 80 kDa.
Species: Human, Mouse, Rat and Chicken.
Other species not tested.

Storage:
Store the antibody undiluted at -20°C or for long term storage (in aliquots) at -20°C to -70°C.
Avoid repeated freezing and thawing.
Shelf life: one year from despatch.

Pictures:
Western Blot Analysis of trkB expression in HL-60 Cell Lysate.