

Product Datasheet

Phospho-TrkB (Y817) Antibody

Catalog No: CY5598

Reactivity: Human Mouse Rat

Isotype: Rabbit IgG

Applications: WB IHC ICC/IF IP



www.abways.com

Information

UniProt ID: Q16620

All Names: NTRK2; gp145-TrkB; Trk-B; TRKB; Tropomyosin-related kinase B; TrkB tyrosine kinase; Tyrosine kinase receptor B;

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: 1:500~1:1000

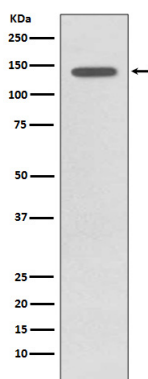
IHC: 1:50~1:100

ICC/IF: 1:50~1:100

IP: 1:30

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. TrkA regulates proliferation and is important for development and maturation of the nervous system. Point mutations, deletions and chromosomal rearrangements (chimeras) cause ligand-independent receptor dimerization and activation of TrkA. Many malignancies including breast, colon, prostate and thyroid carcinomas and acute myeloid leukemia have activated TrkA. Expression of TrkA in neuroblastomas is a good prognostic marker because it signals growth arrest and differentiation of cells originating from the neural crest.



Western blot analysis of Phospho-TrkB (Y817) expression in SH-SY5Y cell lysate treated with BDNF.

For Research Use Only. Not For Use In Diagnostic Procedures.

www.abways.com