

NTRK1

Reactivity:Human Mouse Rat

Tested applications:WB IHC ICC IP FC

Recommended Dilution:WB 1:500 - 1:2000 IHC 1:50 - 1:100 ICC 1:50 - 1:100 IP 1:20 - 1:50
FC 1:20 - 1:50

Calculated MW:145kDa

Observed MW:Refer to Figures

Immunogen:

A synthetic peptide of human NTRK1

Storage Buffer:

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Synonym:

MTC;TRK;TRK1;TRKA;Trk-A;p140-TrkA;High affinity nerve growth factor receptor antibody;gp140trk antibody;p140-TrkA antibody;

Catalog #:A0072

Antibody Type:

Polyclonal Antibody

Species:Rabbit

Gene ID:4914

Isotype:IgG

Swiss Prot:P04629

Purity:Affinity purification

For research use only.

Background:

The Trk proto-oncogene encodes a 140 kDa, membrane-spanning protein tyrosine kinase that is expressed only in neural tissues. Nerve growth factor (NGF) stimulates phosphorylation of Trk A in neural cell lines and in embryonic dorsal root ganglia. Affinity cross-linking and equilibrium binding experiments with 125I-labeled NGF indicate that Trk A binds NGF specifically in cultured cells with a dissociation constant of 10⁻⁹ molar. The identification of Trk A as an NGF receptor indicates that this protein participates in the primary signal transduction mechanism of NGF. Somatic rearrangement(s) of the TRKA gene (also designated NTRK1) are responsible for formation of some oncogenes. Like RET, Trk A is often activated by rearrangements that involve one of at least five other genes in papillary thyroid carcinoma (PTC).

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