

TrkA/TrkB/TrkC Rabbit Monoclonal Antibody

Catalog #: EAB22374

| Host/Isotype | Clonality | Applications | MW (kDa) | Reactivity |
|--------------|------------|-----------------|----------|-------------------|
| Rabbit IgG | Monoclonal | WB, IHC, IF/ICC | 120-140 | Human, Mouse, Rat |

Applications Dilutions

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

| | |
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| WB(Western Blotting) | 1:500-2000 |
| IHC(Immunohistochemistry) | 1:20-200 |
| IF/ICC(Immunofluorescence/Immunocytochemistry) | 1:20-200 |

Product Information

| | |
|----------------|--|
| Conjugate | Unconjugate |
| Specificity | TrkA/TrkB/TrkC Rabbit Monoclonal Antibody detects endogenous levels of TrkA/TrkB/TrkC protein. |
| Purification | Affinity purification |
| Concentration | 1mg/ml |
| Format | Liquid |
| Formulation | In PBS, pH 7.4, Containing 0.02% sodium azide, 0.5% BSA and 50% Glycerol |
| Shipping | Gel Pack |
| Storage | Store at -20°C least 1 year from the date of shipment. Avoid repeated freeze/thaw cycles. Aliquots may be stored at +4°C for 1-2 weeks |
| UniProt ID | P04629 , Q16620 , Q16288 |
| Entrez-Gene Id | 4914 , 4915 , 4916 |

Product Description

The Trk proto-oncogene encodes a tyrosine protein kinase, Trk A, also designated Trk gp140, that serves as a receptor for certain neurotrophic factors including nerve growth factor (NGF) and neurotrophin-3 (NT-3). Trk B is a tyrosine kinase gene highly related to Trk A. Trk B expression is confined to tissues within the central and peripheral nervous systems. The brain-derived neurotrophic factor (BDNF) and NT-3, but not NGF, can induce rapid phosphorylation on tyrosine of Trk B gp145, one of the receptors encoded by NTRK2, although BDNF elicits a response at least two orders of magnitude greater than NT-3. Thus it appears that Trk B gp145 may represent a neurotrophic receptor for BDNF and NT-3. The third member of the Trk family of tyrosine kinases, Trk C, encodes a protein designated Trk C gp145 that is preferentially expressed in brain tissue, is equally related to Trk A and Trk B and is a functional receptor for NT-3.

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