酪氨酸激酶受体 C 抗体

产品货号： mlR0176

英文名称： TrkC

中文名称： 酪氨酸激酶受体 C 抗体

别　　名： EC 2.7.10.1; ETS related protein neurotrophic receptor tyrosine kinase fusion; ETV6 NTRK3 fusion; GP145 TrkC; gp145(trkC); GP145TrkC; Neurotrophic tyrosine kinase receptor type 3; Neurotrophin 3 receptor; NT 3 growth factor receptor; NT 3 growth factor receptor precursor; NT 3 receptor; NTRK3; NTRK3_HUMAN; OTTHUMP00000192915; TRK C; TrkC tyrosine kinase; Tyrosine kinase receptor C.

研究领域： 肿瘤　细胞生物　免疫学　发育生物学　神经生物学　信号转导　细胞凋亡　激酶和磷酸酶　细胞膜受体

抗体来源： Rabbit

克隆类型： Polyclonal

交叉反应： Human, Mouse, Rat,

产品应用： WB=1:500-2000 ELISA=1:500-1000 IHC-F=1:400-800 IF=1:100-500 （石蜡切片需做抗原修复）
not yet tested in other applications.
optimal dilutions/concentrations should be determined by the end user.

分 子 量： 91kDa

细胞定位： 细胞膜

性　　状： Lyophilized or Liquid

浓　　度： 1mg/ml

免 疫 原： KLH conjugated synthetic peptide derived from human TrkC:201-300/839

mlbio 酶联生物
Good elisakit producers

亚　　型： IgG

纯化方法： affinity purified by Protein A

储 存 液： 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

保存条件： Store at -20 ° C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20° C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 ° C.

PubMed： PubMed

产品介绍： The Trk family of nerve growth factor receptors includes Trk A(also referfed to as Trk A gp140),Trk B and Trk C. The prototype member of this gene family, Trk A, encodes a 140 kDa cell surface receptor, gp140, the expression of which is restricted in vivo to neurons of the sensory spinal and cranial gangliaof neurocrest origin. Nerve growth factor (NGF) stimulates tyrosine phosphorylation of Trk gp 140 in neural cell lines and in embryonic dorsal root ganglia. By comparison, BDNF and to a lesser extent, NT-3, but not NGF, can induce tyrosine phophorylayion of Trk B gp 145. The third member of the Trk receptor family, Trk C incodes a 140 kDa protein, Trk C gp140, that is preferentially expressed in brain tissue and primarily functions as a receptor for NT-3.An additional component of the Trk receptor complex, NGFR p175, binds to neurotrophic factors with low affinity but is required for efficient signaling. NGFR p175 accelerates Trk activation and may recruit downstream dffector molecules to the ligand-bound receptor complex.

Function:

Receptor for neurotrophin-3 (NT-3). This is a tyrosine-protein kinase receptor. Known substrates for the trk receptors are SHC1, PI-3 kinase, and PLCG1. The different isoforms do not have identical signaling properties.

Subunit:

Exists in a dynamic equilibrium between monomeric (low affinity) and dimeric (high affinity) structures. Binds SH2B2. Interacts with SQSTM1 and KIDINS220 (By similarity).

Subcellular Location:

Membrane; Single-pass type I membrane protein.

Tissue Specificity:

Widely expressed but mainly in nervous tissue. Isoform B is expressed at higher levels in adult brain than in fetal brain.

Post-translational modifications:

Ligand-mediated auto-phosphorylation.

Similarity:

Belongs to the protein kinase superfamily. Tyr protein kinase family. Insulin receptor subfamily.

Contains 2 Ig-like C2-type (immunoglobulin-like) domains.

Contains 2 LRR (leucine-rich) repeats.

Contains 1 LRRCT domain.

Contains 1 protein kinase domain.

SWISS:

Q16288

Gene ID:

4916

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.