TrkA (Phospho-Tyr496) + TrkB (Phospho-Tyr516) + TrKC (Phospho-Tyr516) Antibody FITC Conjugated

Catalog No: #C05823F

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Description

Product Name	TrkA (Phospho-Tyr496) + TrkB (Phospho-Tyr516) + TrKC (Phospho-Tyr516) Antibody FITC Conjugated
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Purified by Protein A.
Applications	IF
Species Reactivity	Hu Ms Rt
Immunogen Description	KLH conjugated synthetic phosphopeptide derived from rat NTRK2 around the phosphorylation site of Tyr516
Conjugates	FITC
Target Name	TrkA (Tyr496) + TrkB (Tyr516) + TrKC (Tyr516)
Other Names	TrKC Tyr516 and TrKA 496, TrkB Tyr515; TrkB; Tyrosine Receptor Kinase B; Tyrosine kinase,Pyk2; BDNF tropomyosine receptor kinase B; BDNF NT 3 growth factors receptor; BDNF NT-3 growth factors receptor; Brain derived neurotrophic factor receptor; GP145 TrkB; GP145-TrkB; GP145-TrkB GP95-TrkB; GP95 Trk
Accession No.	NCBI Gene ID4915
Uniprot	Q16620
GeneID	4915;
Excitation Emission	494nm 518nm
Concentration	1mg ml
Formulation	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Application Details

IF=1:50-200

Background

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.

Note: This product is for in vitro research use only