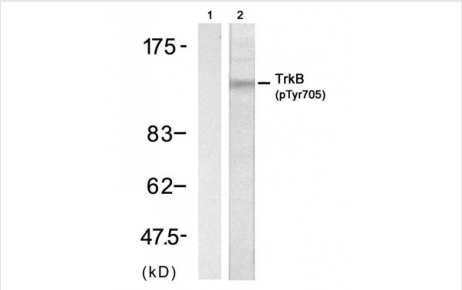
TrkB Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	TrkB, Polyclonal Antibody
Full Product Name	TrkB Antibody (Tyr705)
Product Gene Name	anti-TrkB antibody
Product Synonym Names	Rabbit Polyclonal TrkB Antibody (Tyr705); Polyclonal TrkB antibody; Anti-TrkB antibody; Neurotrophic tyrosine kinase receptor type 2 antibody; neurotrophic tyrosine kinase receptor type 2 antibody; NTRK2 antibody; Trk-B antibody; TRKB antibody; TrkB tyrosine kinase antibody; tyrosine kinase receptor B antibody; BDNF-tropomyosine receptor kinase B antibody; BDNF/NT-3 growth factors receptor antibody; GP145-TrkB antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Form/Format	Supplied in PBS buffer (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% Sodium Azide and 50% Glycerol
Purity/Purification	Affinity Chromatography
Concentration	1 mg/ml (lot specific)
Specificity	TrkB antibody (Tyr705) detects endogenous levels of TrkB only when phosphorylated at tyrosine 705
Preparation and Storage	Store at -20 degree C in small aliquots. Avoid repeat freeze/thaw cycles.
Immunogen	TrkB antibody was raised in Rabbit using a synthesized phosphopeptide derived from human TrkB around the phosphorylation site of tyrosine 705 (T-D-Y P-Y-R) as the immunogen.
Cross-Reactivity	Mouse, Rat
Product Categories/Family for anti-TrkB antibody	Signal Transduction
Applications Tested/Suitable for anti-TrkB antibody	Western Blot (WB)
Application Notes for anti-TrkB antibody	WB: 1:500-1:1000
Related Product Information for anti-TrkB antibody	Brain derived neurotrophic factor (BDNF) and Neurotrophin 4 or 5 are preferred ligands for TrkB. Nevertheless it can also bind to NTF3/neurotrophin-3 that is less efficient in activating the receptor but regulates neuron survival through NTRK2.
Other Notes	Small volumes of anti-TrkB antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for TrkB purchase	MBS5313728 is an antibody targeting TrkB. Also known as TrkB Antibody (Tyr705). Host: Rabbit.



Western Blot (WB) of anti-TrkB antibody
Western blot analysis of extracts from mouse brain tissue, using TrkB (Phospho-Tyr705) antibody

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TrkB. It may not necessarily be applicable to this product.

NCBI GI #	913718
NCBI GeneID	4915
UniProt Related Accession #	Q16620
NCBI Official Full Name	trkB
NCBI Official Synonym Full Names	neurotrophic receptor tyrosine kinase 2
NCBI Official Symbol	NTRK2
NCBI Official Synonym Symbols	OBHD; TRKB; trk-B; EIEE58; GP145-TrkB
Protein Family	BDNF/NT-3 growth factors receptor
NCBI Protein Information	BDNF/NT-3 growth factors receptor
NCBI Summary for TrkB	This gene encodes a member of the neurotrophic tyrosine receptor kinase (NTRK) family. This kinase is a membrane-bound receptor that, upon neurotrophin binding, phosphorylates itself and members of the MAPK pathway. Signalling through this kinase leads to cell differentiation. Mutations in this gene have been associated with obesity and mood disorders. Alternative splicing results in multiple transcript variants. [provided by RefSeq, May 2014]
Research Articles on TrkB	**1.** coexpression of BDNF and TrkB is associated with poor prognosis in small cell lung cancer patients
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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