



20150116ML

# Anti-Human Trk-B (#7Y6)

**FOR RESEARCH ONLY! NOT FOR HUMAN USE!**

<b>Cat.-no.:</b>	<b>101-M689</b>
Size:	100 µg
Lot. No.:	According to product label

**Preparation:** This antibody was produced from a hybridoma (mouse myeloma fused with spleen cells from a mouse) immunized with Human Trk-B recombinant protein.

## Target Background

<b>Synonyms (Target):</b>	NTRK2; TRKB; trk-B; GP145-TrkB
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Members of the Trk family (TrkA, B, and C) of receptor tyrosine kinases act as receptors for the neurotrophin family: BDNF, NGF, NT-3, and NT-4. Trks exhibit selectivity for specific neurotrophins. TrkA, TrkB and TrkC preferentially bind NGF, NT-4 and BDNF, and NT-3, respectively. All Trk family proteins share a common structural organization consisting of an extracellular region with two cysteine-rich domains, a cluster of three leucine-rich motifs, and two immunoglobulin-like domains, and an intracellular region that contains the tyrosine kinase domain. They are best known for their regulation of neuronal survival and axon outgrowth.

## Database References Target

<b>Protein RefSeq:</b>	NP_006171
<b>Uniprot ID:</b>	Q16620
<b>mRNA RefSeq:</b>	NM_006180

## Product Specifications

<b>Host</b>	Mouse
<b>Reactivity against</b>	Human
<b>Clonality</b>	Monoclonal Antibody
<b>Clone</b>	(#7Y6)
<b>Isotype</b>	IgG2
<b>Purification</b>	Protein G chromatography
<b>Antigen</b>	human recombinant Trk-B
<b>Formulation</b>	lyophilized
<b>Reconstitution buffer</b>	PBS (sterile)

**Reconstitution:** Reconstitute the antibody with 200 µl sterile PBS and the final concentration is 500 µg/ml.

**Stability:** Lyophilized samples are stable for 2 years from date of receipt when stored at -70°C. Reconstituted antibody can be aliquoted and stored frozen at < -20 °C for at least for six months without detectable loss of activity.

**Remarks:** This antibody was selected for its ability to specifically detect human Trk-B.

**AVOID REPEATED FREEZE AND THAW CYCLES!**

## Applications

The antibody can be used within the following applications:

WB, IHC (F)

### Recommended usage:

WB 1:500 - 1:1000

IHC (Paraffin) 1:20 - 1:100

**NOTE: OPTIMAL DILUTIONS SHOULD BE DETERMINED BY EACH LABORATORY FOR EACH APPLICATION!**



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### Application/Handling

