

Trk B Antibody | anti-Trk B antibody

Trk B (Phospho-Tyr705) Antibody

CATALOG # AAA267332	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Immunofluorescence, Immunohistochemistry, Western Blot
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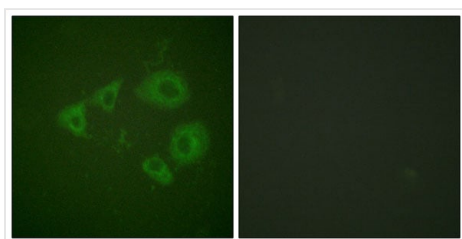
PRODUCT SYNONYMS

Trk B; Trk B (Phospho-Tyr705) Antibody; BDNF/NT-3 growth factors receptor precursor; EC 2.7.10.1; GP145-TrkB; GP145-TrkB/GP95-TrkB; NTRK2; Trk-B; TrkB tyrosine kinase; kinase TrkB; anti-Trk B antibody

PRODUCT SPECIFICATIONS

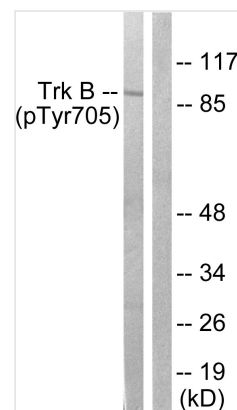
Reactivity	Human, Mouse, Rat
Specificity	Trk B (phospho-Tyr705) antibody detects endogenous levels of Trk B only when phosphorylated at tyrosine 705.
Purity/Purification	Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site.
Form/Format	In phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Sequence Length	477
Applicable Applications for anti-Trk B antibody	ELISA, IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	The antiserum was produced against synthesized phosphopeptide derived from human Trk B around the phosphorylation site of tyrosine 705 (T-D-YP-Y-R).
All Sites	Human: Tyr706 Mouse: Tyr705 Rat: Tyr705
Preparation and Storage	Store at -20 degree C for 1 year

IMAGES



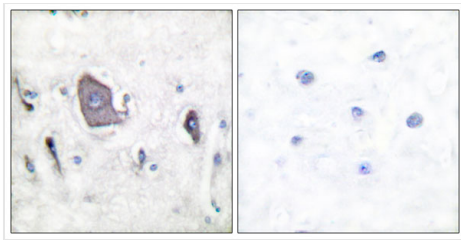
IF (Immunofluorescence)

P-peptide-+ Immunofluorescence analysis of HuvEc cells, using Trk B (phospho-Tyr705) antibody (#11336).



WB (Western Blot)

Western blot analysis of extracts from mouse kidney, using Trk B (phospho-Tyr705) antibody.



IHC (Immunohistochemistry)
P-peptide-+ Immunohistochemical analysis of paraffin-embedded human brain tissue using Trk B (phospho-Tyr705) antibody.

ADDITIONAL INFORMATION

References	Tina Garofalo, J. Biol. Chem., Dec 1998; 273: 35153. VI Shifrin and BG Neel, J. Biol. Chem., Dec 1993; 268: 25376-25384. Jan Grimm, J. Cell Biol., Jul 2001; 154: 345. Jose L. Tomsig and Terry T. Turner, J. Androl, May 2006; 27: 348-357.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	55956790
NCBI GeneID	4915
NCBI Accession #	NP_001007098.1
NCBI GenBank Nucleotide #	NM_001007097.2
UniProt Accession #	Q16620; Q16675; Q59GJ1; Q8WXJ5; Q8WXJ6; Q8WXJ7; B1ANZ4; B4DFV9
Molecular Weight	35,332 Da
NCBI Official Full Name	BDNF/NT-3 growth factors receptor isoform b
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
NCBI Protein Information	BDNF/NT-3 growth factors receptor
UniProt Protein Name	BDNF/NT-3 growth factors receptor
UniProt Gene Name	NTRK2
UniProt Synonym Gene Names	TRKB; Trk-B

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.