

Rabbit TrkA+B+C Monoclonal Antibody | anti-TrkA+B+C antibody

TrkA+B+C Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA312367	Rabbit	Human, Mouse, Rat	Immunohistochemistry, Immunocytochemistry, Western Blot

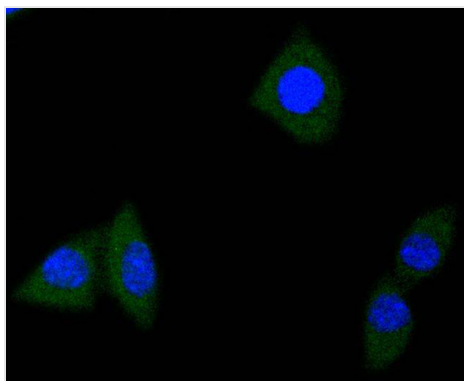
PRODUCT SYNONYMS

TrkA+B+C; Monoclonal Antibody; TrkA+B+C Antibody; BDNF/NT-3 growth factors receptor antibody; gp140trk antibody; GP145-TrkB antibody; GP145-TrkC antibody; High affinity nerve growth factor receptor antibody; MTC antibody; Neurotrophic tyrosine kinase receptor type 1 antibody; Neurotrophic tyrosine kinase receptor type 2 antibody; Neurotrophic tyrosine kinase receptor type 3 antibody; NT-3 growth factor receptor antibody; NTRK1 antibody; NTRK2 antibody; NTRK3 antibody; p140-TrkA antibody; TRK antibody; Trk-A antibody; Trk-B antibody; Trk-C antibody; TRK1-transforming tyrosine kinase protein antibody; TRKA antibody; TRKB antibody; TrkB tyrosine kinase antibody; TRKC antibody; TrkC tyrosine kinase antibody; Tropomyosin-related kinase A antibody; Tropomyosin-related kinase B antibody; Tyrosine kinase receptor A antibody; Tyrosine kinase receptor antibody; anti-TrkA+B+C antibody

PRODUCT SPECIFICATIONS

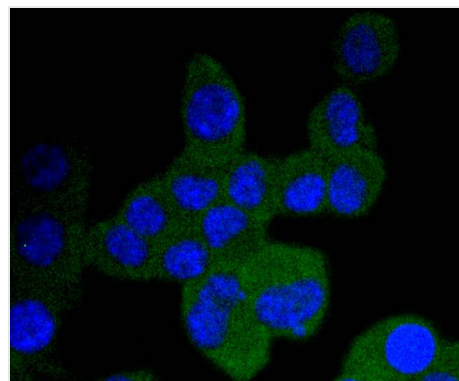
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Clone Number	JJ084-04
Purity/Purification	ProA affinity purified
Form/Format	1*TBS (pH7.4), 1% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.
Applicable Applications for anti-TrkA+B+C antibody	IHC (Immunohistochemistry), ICC (Immunocytochemistry), WB (Western Blot)
Antibody Type	Recombinant Antibody
Immunogen	Recombinant protein
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C.

IMAGES



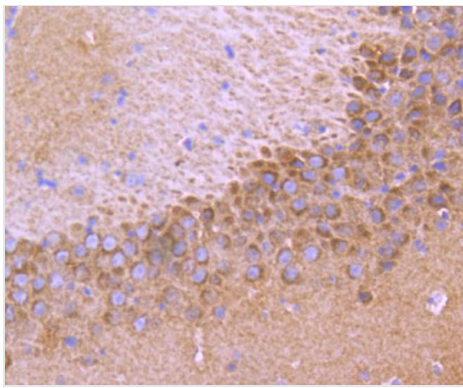
ICC (Immunocytochemistry)

ICC staining TrkA+B+C in SH-SY-5Y cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



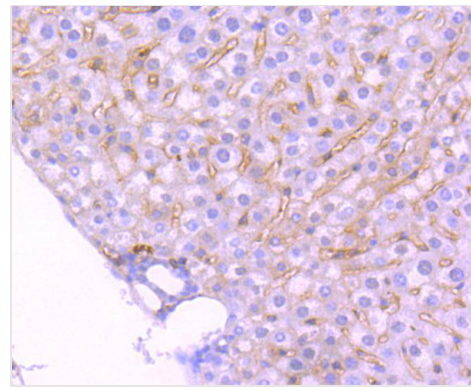
ICC (Immunocytochemistry)

ICC staining TrkA+B+C in N2A cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



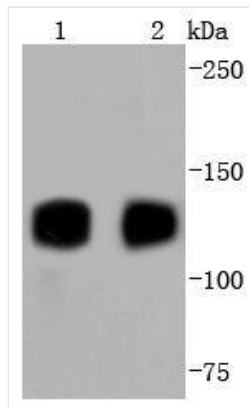
IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded mouse brain tissue using anti-TrkA+B+C antibody. Counter stained with hematoxylin.



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded mouse liver tissue using anti-TrkA+B+C antibody. Counter stained with hematoxylin.



WB (Western Blot)

Western blot analysis of TrkA+B+C on different lysates using anti-TrkA+B+C antibody at 1/1,000 dilution. Positive control: Lane 1: Rat brain Lane 2: Mouse brain

ADDITIONAL INFORMATION

Related Product Information for anti-TrkA+B+C antibody

The family of Trk receptor tyrosine kinases consists of TrkA, TrkB, and TrkC. While the sequence of these family members is highly conserved, they are activated by different neurotrophins: TrkA by NGF, TrkB by BDNF or NT4, and TrkC by NT3. In the adult nervous system, the Trk receptors regulate synaptic strength and plasticity. TrkA regulates proliferation and is important for development and maturation of the nervous system. Point mutations, deletions, and chromosomal rearrangements (chimeras) cause ligand-independent receptor dimerization and activation of TrkA. TrkA is activated in many malignancies including breast, ovarian, prostate, and thyroid carcinomas. TrkB is overexpressed in tumors such as neuroblastoma, prostate adenocarcinoma and pancreatic ductal adenocarcinoma. In neuroblastomas overexpression of TrkB correlates with unfavorable disease outcome when autocrine loops signaling tumor survival are potentiated by additional overexpression of brain-derived neurotrophic factor (BDNF). An alternatively spliced truncated TrkB isoform lacking the kinase domain is overexpressed in Wilms tumors and this isoform may act as a dominant-negative to TrkB signaling. Altered TrkC expression and corresponding gene mutations are seen in various forms of cancer, with increased expression a positive prognostic indicator in patients with medulloblastoma.

Product Categories/Family for anti-TrkA+B+C antibody

Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	56118210
NCBI GeneID	4914
NCBI Accession #	NP_001007793.1
NCBI GenBank Nucleotide #	NM_001007792.1

UniProt Accession #	P04629 ; P08119 ; Q15655 ; Q15656 ; Q5D056 ; Q5VZS2 ; Q7Z5C3 ; Q9UIU7 ; B2R6T5 ; B7ZM34
Molecular Weight	87,497 Da
NCBI Official Full Name	high affinity nerve growth factor receptor isoform 3
NCBI Official Synonym Full Names	neurotrophic tyrosine kinase, receptor, type 1
NCBI Official Symbol	NTRK1
NCBI Official Synonym Symbols	MTC; TRK; TRK1; TRKA; Trk-A; p140-TrkA
NCBI Protein Information	high affinity nerve growth factor receptor; gp140trk; Oncogene TRK; tyrosine kinase receptor A; tropomyosin-related kinase A; TRK1-transforming tyrosine kinase protein
UniProt Protein Name	High affinity nerve growth factor receptor
UniProt Gene Name	NTRK1
UniProt Synonym Gene Names	MTC; TRK; TRKA; Trk-A
UniProt Entry Name	NTRK1_HUMAN

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/monoclonal/trkabc-antibody-clone-jj084-04-immunohistochemistry-immunocytochemistry-western-blot-elisa/312367>