

Rabbit TrkA Polyclonal Antibody | anti-TrkA antibody

TrkA antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA75070	Rabbit	Reacts with Rat, Mouse and Human. Reactivity to other species is unknown. Recognizes TrKa, MW 140kDa. Does not crossreact with TrkB or TrkC.	Western Blot, Immunoprecipitation, Immunocytochemistry

PRODUCT SYNONYMS

TrkA; Polyclonal Antibody; TrkA antibody; Polyclonal TrkA; Anti-TrkA; Trk-A; Trk A; anti-TrkA antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Reacts with Rat, Mouse and Human. Reactivity to other species is unknown. Recognizes TrKa, MW 140kDa. Does not crossreact with TrkB or TrkC.
Clonality	Polyclonal
Isotype	IgG
Specificity	Rat
Purity/Purification	TrkA antibody was purified by Protein A chromatography.
Form/Format	Liquid, 100mM Tris-Glycine, 150mM Sodium Azide.
Concentration	1.0mg/ml (varies by lot)
Sequence Length	449
Applicable Applications for anti-TrkA antibody	WB (Western Blot), IP (Immunoprecipitation), ICC (Immunocytochemistry)
Biological Significance	TrkA, apparent molecular weight 140 kDa, is a high affinity nerve growth factor (NGF). The Trk proto-oncogene family contains four members, TrkA, TrkB, TrkC, and TrkE, which are variably expressed throughout the central and peripheral nervous systems. TrkA binds to nerve growth factor (NGF) and autophosphorylates on tyrosine residues (Tyr490, Tyr674, Tyr675, Tyr751 and Tyr785) to activate multiple downstream effector proteins.
Cross-Reactivity	Human, mouse
Biohazard Information	This product contains sodium azide as preservative. Although the amount of sodium azide is very small appropriate care must be taken when handling.
Immunogen	TrkA antibody was raised in rabbit using recombinant protein corresponding to extracellular domain of rat TrkA receptor as the immunogen.
Preparation and Storage	Aliquot and store at -20 degree C. Avoid repeated Freeze/Thaw cycles

IMAGES



WB (Western Blot)
Western blot analysis of EGF-stimulated A431 cel lysate probed with anti-TrkA (2 ug/ml)



IHC (Immunohistochemistry)
Paraffin-embedded tissues of the hippocampal region (Fig. 1) and adrenal gland's medulla (Fig. 2) were prepared using heat-induced epitope retrieval in citrate buffer, pH 6.0. Immunostaining was performed using a 1:200 dilution of Cat. No. 06-574, Anti-TrkA Reactivity was detected using the IHC-Select Detection Kit. Immunoreactivity is expressed in human brain regions of higher cognitive processes and inside the adrenal medulla without nuclear involvement.

ADDITIONAL INFORMATION

Related Product Information for anti-TrkA antibody	Rabbit polyclonal TrkA antibody
Product Categories/Family for anti-TrkA antibody	Neuroscience

NCBI AND UNIPROT INFORMATION

NCBI GI #	339731560
UniProt Accession #	G0L9U0
Molecular Weight	140 kDa (predicted detection band MW)
NCBI Official Full Name	trkA
UniProt Protein Name	TrkA protein
UniProt Gene Name	trkA
UniProt Entry Name	G0L9U0_ZOBGA

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.