

Chicken TrkA Polyclonal Antibody | anti-TrkA antibody

Chicken Polyclonal Anti-TrkA antibody.

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA226312	Chicken	Human, Mouse, Rat	Western Blot, Immunoprecipitation, Immunohistochemistry, ELISA

PRODUCT SYNONYMS

TrkA; Polyclonal Antibody; Chicken Polyclonal Anti-TrkA antibody.; CIPA; gp140trk; High affinity nerve growth factor receptor; MTC; Neurotrophic tyrosine kinase receptor type 1; Ntrk1; Oncogene TRK; p140-TrkA; Slow nerve growth; TRK; Trk-A; TRK1; TRK1-transforming tyrosine kinase protein; Tropomyosin-related kinase A; Tyrosine kinase receptor A antibody; anti-TrkA antibody

PRODUCT SPECIFICATIONS

Host	Chicken
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Form/Format	Affinity Purified Immunoglobulins
Concentration	0.60 ug/ul IgY in antibody stabilization buffer (varies by lot)
Sequence Length	796
Applicable Applications for anti-TrkA antibody	WB (Western Blot), IP (Immunoprecipitation), IHC (Immunohistochemistry), ELISA
Immunogen	Synthetic peptide taken within amino acid region 360-410 on human TrkA protein.
Immunoglobulin	IgY
Expression	Isoform TrkA-I is found in most non-neuronal tissues. Isoform TrkA-II is primarily expressed in neuronal cells. TrkA-III is specifically expressed by pluripotent neural stem and neural crest progenitors.
Molecular Function	Developmental Protein; Kinase; Receptor; Transferase; Tyrosine-protein kinase
Structure	Belongs to the protein kinase superfamily. Tyr protein kinase family. Insulin receptor subfamily. Contains 2 Ig-like C2-type (immunoglobulin-like) domains. Contains 2 LRR (leucine-rich) repeats. Contains 1 LRRCT domain. Contains 1 protein kinase domain.
Subcellular Location	Cell membrane; Single-pass type I membrane protein; Early & Late endosome membrane
Preparation and Storage	-20• degree C for long term storage

IMAGES



IHC (Immunohistochemistry)



IHC (Immunohistochemistry)

ADDITIONAL INFORMATION

Related Product Information for anti-TrkA antibody	Receptor tyrosine kinases (RTK)s are high-affinity cell surface receptors for many polypeptide rowth factors, cytokines, and hormones (1). TrkA is part of a sub-family of protein kinases which includes TrkB and TrkC (2). Tyrosine Receptor Kinase A (TrkA) is a receptor tyrosine kinase involved in the development and the maturation of the central and peripheral nervous systems through regulation of proliferation, differentiation and survival of sympathetic nervous neurons. TrkA is a high affinity receptor for NGF, its primary ligand, but also binds and can be activated via NTF3/neutrophin-3. NGF is important in both local and nuclear actions, regulating growth ones, motility, and expression of genes encoding biosynthesis of enzymes for neurotransmitters. In absence of ligand and activation, may promote cell death. TrkA belongs to the protein kinase superfamily, specifically the tyrosine protein kinase family. The TrkA-selective antibodies were generated using unique peptides from an internal sequence corresponding to amino acid region 360-410 of the TrkA protein. The TrkA-selective antibodies were affinity purified against immobilized antigen based affinity chromatography and are represented a~ pure IgG fractions stabilized in antibody stabilization buffer. Synthetic blocking peptides and western blot positive controls are available. Antibodies can be conjugated to fluorescent probes or secondary enzymes upon request at extra charge.
Product Categories/Family for anti-TrkA antibody	Primary Antibodies; Protein Kinases; TrkA Antibody

NCBI AND UNIPROT INFORMATION

NCBI GI #	3869113
NCBI GeneID	4914
UniProt Accession #	P04629; P08119; Q15655; Q15656; Q5D056; Q5VZS2; Q7Z5C3; Q9UIU7; B2R6T5; B7ZM34
Molecular Weight	77,145 Da
NCBI Official Full Name	TRKA
NCBI Official Synonym Full Names	neurotrophic receptor tyrosine kinase 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
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
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