

Datasheet for ABIN3042872  
**anti-TRKA antibody (N-Term)**



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## Overview

Quantity:	100 µg
Target:	TRKA (NTRK1)
Binding Specificity:	AA 71-90, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TRKA antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Purpose:	Rabbit IgG polyclonal antibody for High affinity nerve growth factor receptor(NTRK1) detection. Tested with WB in Human.
Immunogen:	A synthetic peptide corresponding to a sequence at the N-terminus of human TrkA(71-90aa LYIENQQHLQHLELRDLRGL).
Sequence:	LYIENQQHLQ HLELRDLRGL
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for High affinity nerve growth factor receptor(NTRK1) detection. Tested with WB in Human. Gene Name: neurotrophic tyrosine kinase, receptor, type 1 Protein Name: High affinity nerve growth factor receptor

## Product Details

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Purification: Immunogen affinity purified.

## Target Details

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Target: TRKA (NTRK1)

Alternative Name: NTRK1 ([NTRK1 Products](#))

Background: Neurotrophic tyrosine kinase receptor type 1, also called Trk-A, is a protein that in humans is encoded by the NTRK1 gene. The NTRK1 gene encodes the neurotrophic tyrosine kinase-1 receptor and belongs to a family of nerve growth factor receptors whose ligands include neurotrophins. This gene is mapped to 1q23.1. This kinase is a membrane-bound receptor that, upon neurotrophin binding, phosphorylates itself and members of the MAPK pathway. The presence of this kinase leads to cell differentiation and may play a role in specifying sensory neuron subtypes. Mutations in this gene have been associated with congenital insensitivity to pain, anhidrosis, self-mutilating behavior, mental retardation and cancer.

Synonyms: CIPA antibody|DKFZp781114186 antibody|gp140trk antibody|High affinity nerve growth factor receptor antibody|High affinity nerve growth factor receptor precursor antibody|MTC antibody|Neurotrophic tyrosine kinase receptor type 1 antibody|Ntrk 1 antibody|Ntrk1 antibody|NTRK1\_HUMAN antibody|Oncogene TRK antibody|p140 TrkA antibody|p140-TrkA antibody|TRK 1 antibody|Trk A antibody|TRK antibody|Trk-A antibody|TRK1 antibody|TRK1 transforming tyrosine kinase protein antibody|TRK1-transforming tyrosine kinase protein antibody|Tropomyosin-related kinase A antibody|Tyrosine kinase receptor A antibody|Tyrosine kinase receptor antibody|Tyrosine Receptor Kinase A antibody

UniProt: [P04629](#)

Pathways: [RTK Signaling](#), [Neurotrophin Signaling Pathway](#), [cAMP Metabolic Process](#)

## Application Details

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Application Notes: WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human  
Notes: Tested Species: Species with positive results. Predicted Species: Species predicted to be fit for the product based on sequence similarities.  
Other applications have not been tested. Optimal dilutions should be determined by end users.

Comment: Antibody can be supported by chemiluminescence kit ABIN921124 in WB.

Restrictions: For Research Use only

## Handling

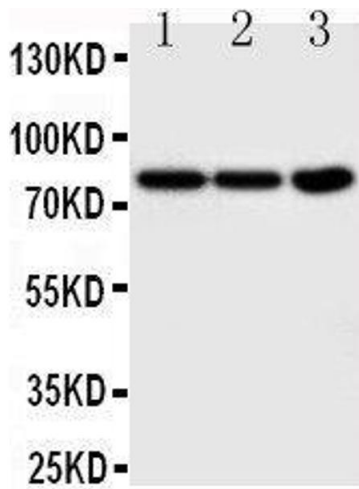
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Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na <sub>2</sub> HPO <sub>4</sub> , 0.05 mg Thimerosal, 0.05 mg Sodium azide.
Preservative:	Thimerosal (Merthiolate), Sodium azide
Precaution of Use:	This product contains Sodium azide and Thimerosal (Merthiolate): POISONOUS AND HAZARDOUS SUBSTANCES which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.
Expiry Date:	12 months

## Publications

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Product cited in:	<p>Li, Ma, Yi, Wang, Li, Liu, Sun, Chen, Yu, Li, Chen, Zhou: "The interactions between nerve growth factor and gonadotrophins in bovine oviduct." in: <b>Animal reproduction science</b>, Vol. 149, Issue 3-4, pp. 117-23, (2014) (<a href="#">PubMed</a>).</p> <p>Li, Zhang, Zou, Xia, Bao: "Accumulation of nerve growth factor and its receptors in the uterus and dorsal root ganglia in a mouse model of adenomyosis." in: <b>Reproductive biology and endocrinology : RB&amp;E</b>, Vol. 9, pp. 30, (2011) (<a href="#">PubMed</a>).</p>
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#### Western Blotting

**Image 1.** Anti-TrkA antibody, Western blotting Lane 1: COL0320 Cell Lysate Lane 2: Cell Lysate Lane 3: U87 Cell Lysate



#### Western Blotting

**Image 2.** Anti-TrkA antibody, Western blotting Lane 1: Rat Brain Tissue Lysate Lane 2: Mouse Brain Tissue Lysate