

Datasheet for ABIN3031983  
**anti-TRKA antibody (AA 654-683)**



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3 Images

## Overview

Quantity:	0.4 mL
Target:	TRKA (NTRK1)
Binding Specificity:	AA 654-683
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TRKA antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS)

## Product Details

Immunogen:	A portion of amino acids 654-683 from the human protein was used as the immunogen for this TrkA antibody.
Isotype:	Ig Fraction
Cross-Reactivity (Details):	Expected species reactivity: Rat, Chicken
Purification:	Antigen affinity purified

## Target Details

Target:	TRKA (NTRK1)
Alternative Name:	TrkA ( <a href="#">NTRK1 Products</a> )
Background:	This gene encodes a member of the neurotrophic tyrosine kinase receptor (NTRK) family. This

## Target Details

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kinase is a membrane-bound receptor that, upon neurotrophin binding, phosphorylates itself and members of the MAPK pathway. Its presence leads to cell differentiation and may play a role in specifying sensory neuron subtypes. Alternate transcriptional splice variants of this gene have been found, but only three have been characterized to date. Isoform 3 is resistant to NGF, constitutively activates AKT1 and NF-kappa-B and is unable to activate the Ras-MAPK signaling cascade. Antagonizes the anti-proliferative NGF-NTRK1 signaling that promotes neuronal precursors differentiation. Isoform TrkA-III promotes angiogenesis and has oncogenic activity when overexpressed. [Isoform 3 information courtesy of UniProt].

UniProt: [P04629](#)

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

## Application Details

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Application Notes: The stated application concentrations are suggested starting amounts. Titration of the TrkA antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 1:1000,Flow Cytometry: 1:10-1:50

Restrictions: For Research Use only

## Handling

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Format: Liquid

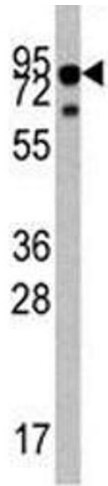
Buffer: In 1X PBS, pH 7.4, with 0.09 % sodium azide

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

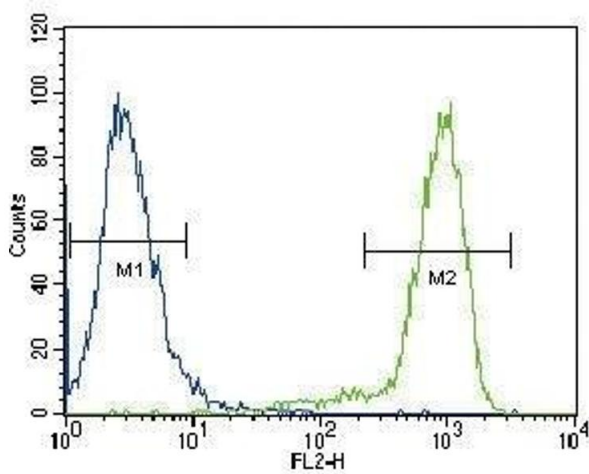
Storage: -20 °C

Storage Comment: Store at 4°C for up to one month. For long term, aliquot the TrkA antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.



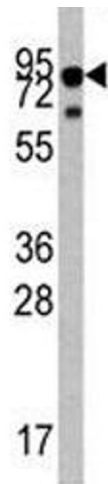
### Western Blotting

**Image 1.** Western blot analysis of TrkA antibody and mouse liver tissue lysate. Observed molecular weight: 85~140 kDa depending on glycosylation level.



### Flow Cytometry

**Image 2.** TrkA antibody flow cytometric analysis of HeLa cells (green) compared to a negative control (blue). FITC-conjugated goat-anti-rabbit secondary Ab was used for the analysis.



### Western Blotting

**Image 3.** Western blot analysis of TrkA antibody and mouse liver tissue lysate. Observed molecular weight: 85~140 kDa depending on glycosylation level.