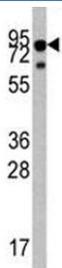


## TrkA Antibody / NTRK1 (F50682)

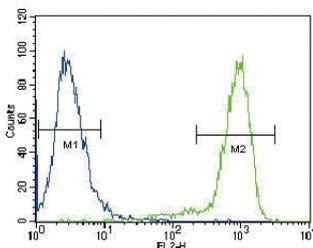
Catalog No.	Formulation	Size
F50682-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F50682-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

[Bulk quote request](#)

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human, Mouse
<b>Predicted Reactivity</b>	Rat, Chicken
<b>Format</b>	Antigen affinity purified
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit Ig
<b>Purity</b>	Antigen affinity
<b>UniProt</b>	P04629
<b>Applications</b>	Western Blot : 1:1000 Flow Cytometry : 1:10-1:50
<b>Limitations</b>	This TrkA antibody is available for research use only.



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



TrkA antibody flow cytometric analysis of fixed and permeabilized HeLa cells (green) compared to a [negative control](#) (blue). FITC-conjugated goat-anti-rabbit secondary Ab was used for the analysis.

## Description

This gene encodes a member of the neurotrophic tyrosine kinase receptor (NTRK) family. This 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].

## 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.

## Immunogen

A portion of amino acids 654-683 from the human protein was used as the immunogen for this TrkA antibody.

## Storage

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.