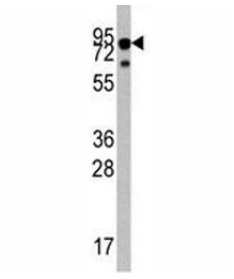
TrkA Antibody / NTRK1 (F50682)

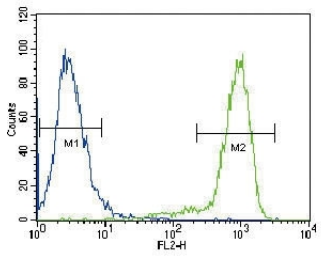
Catalog No.	Formulation	Size
F50682-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F50682-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse
Predicted Reactivity	Rat, Chicken
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity
UniProt	P04629
Applications	Western blot: 1:1000 Flow Cytometry: 1:10-1:50
Limitations	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 (NTKR) 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 4oC for up to one month. For long term, aliquot the TrkA antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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