

Datasheet for ABIN969444
anti-TRKA antibody (AA 33-423)[2 Images](#)[2 Publications](#)[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	TRKA (NTRK1)
Binding Specificity:	AA 33-423
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Application:	Western Blotting (WB), ELISA, Immunocytochemistry (ICC)

Product Details

Immunogen:	Purified recombinant extracellular fragment of human TrkA (aa33-423) fused with hlgGFc tag expressed in HEK293 cell line.
Clone:	6B2
Isotype:	IgG1
Purification:	purified

Target Details

Target:	TRKA (NTRK1)
Alternative Name:	TrkA (NTRK1 Products)
Background:	Description: TrkA, also known as NTRK1, MTC, TRK, TRK1. It is 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. The presence

Target Details

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. Alternate transcriptional splice variants of this gene have been found, but only three have been characterized to date.

Aliases: NTRK1, MTC, TRK, TRK1

Molecular Weight: 87.4 kDa

Gene ID: 4914

HGNC: 4914

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

Application Details

Application Notes: ELISA: 1:10000, WB: 1:500 - 1:2000, ICC: 1:200 - 1:1000

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Ascitic fluid containing 0.03 % 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: 4 °C/-20 °C

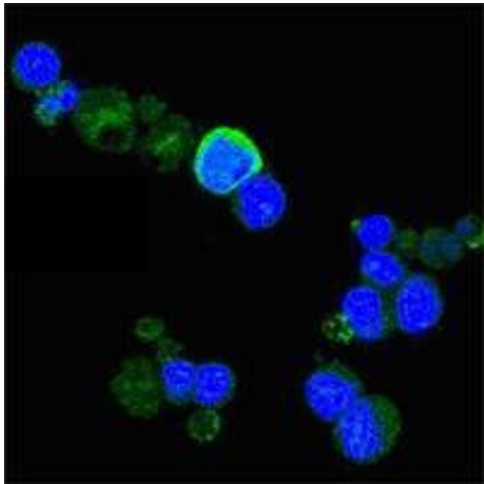
Storage Comment: 4°C, -20°C for long term storage

Publications

Product cited in: Toka, Dunaway, Smaltz, Szulc-Dąbrowska, Drnevich, Mielcarska, Bossowska-Nowicka, Schweizer: "Bacterial and viral pathogen-associated molecular patterns induce divergent early transcriptomic landscapes in a bovine macrophage cell line." in: **BMC genomics**, Vol. 20, Issue 1, pp. 15, (2019) ([PubMed](#)).

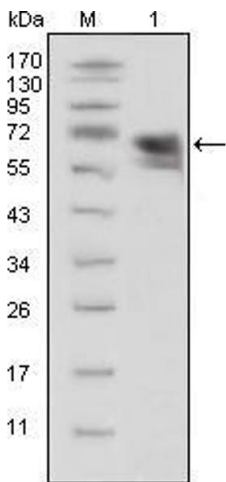
Murakami, Maeda, Yonezawa, Matsuki: "CC chemokine ligand 2 and CXC chemokine ligand 8 as neutrophil chemoattractant factors in canine idiopathic polyarthritis." in: **Veterinary**

Images



Immunofluorescence

Image 1. Confocal immunofluorescence analysis of PC-12 cells using TrkA mouse mAb (green), showing membrane and cytoplasmic localization. Blue: DRAQ5 fluorescent DNA dye.



Western Blotting

Image 2. Western blot analysis using TrkA mouse mAb against extracellular domain of human TrkA(aa33-423).