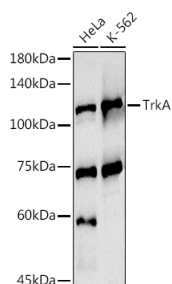


Cat. No:	AB-83821
Conjugate:	Unconjugated
Size:	100 ug
Clone:	POLY
Concentration:	1mg/ml
Host:	Rabbit
Isotype:	IgG
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-280 of human TrkA
Reactivity:	Human, Mouse, Rat
Applications:	Western Blot: 1:500 - 1:1000 Immunohistochemistry:1:50 - 1:200
Molecular Weight:	120 kDa
Purification:	Aff. Pur.
Synonyms:	MTC; TRK; TRK1; TRKA; Trk-A; p140-TrkA

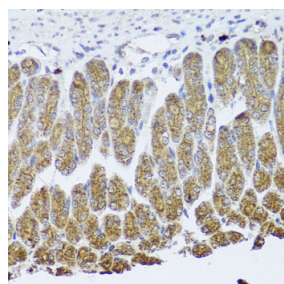
Background:

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

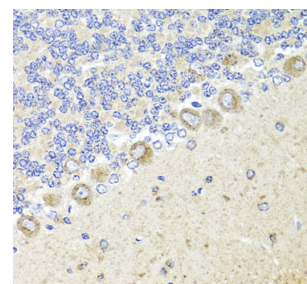
Form:	Liquid
Buffer:	PBS with 0.02% sodium azide,50% glycerol, pH7.3.
Storage:	Store at -20°C. Avoid freeze / thaw cycles



Western blot analysis of extracts of various cell lines, using TrkA antibody at 1:1000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution.
Lysates/proteins: 25ug per lane.
Blocking buffer: 3% nonfat dry milk in



Immunohistochemistry of paraffinembedded mouse stomach using TrkA Antibody at dilution of 1:100 (40xlens).
Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



Immunohistochemistry of paraffinembedded rat cerebellum using TrkA Antibody at dilution of 1:100 (40xlens).
Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol

TBST.
Detection: ECL Basic Kit
Exposure time: 10s

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