

Product Datasheet

TrkA Antibody R-152-100

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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R-152-100**TrkA Antibody**

Product Information	
Unit Size	0.1 ml
Concentration	This product is unpurified. The exact concentration of antibody is not quantifiable.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	No Preservative
Reconstitution Instructions	Reconstitute with deionized water.
Purity	Unpurified
Buffer	Whole antisera

Product Description	
Host	Rabbit
Gene ID	4914
Gene Symbol	NTRK1
Species	Human, Mouse, Rat
Reactivity Notes	Reacts with human, rat and mouse. Other species have not yet been tested.
Specificity/Sensitivity	Specificity was demonstrated by immunohistochemistry. When used for immunohistochemistry in rat dorsal root ganglia, staining is restricted to the known distribution of TrkA, that is in small, nociceptive neurons.
Immunogen	Extracellular domain of glycosylated human Trk A protein produced in CHO cells was used as the immunogen.

Product Application Details	
Applications	ELISA, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen
Recommended Dilutions	ELISA 1:5000 (1-site), Immunohistochemistry, Immunocytochemistry/Immunofluorescence, Immunohistochemistry-Frozen 1:1000
Application Notes	Use in Immunocytochemistry/immunofluorescence reported in scientific literature (PMID 25662281)

Publications

Ceriani M, Amigoni L, D'Aloia A et al. The deubiquitinating enzyme UBPY/USP8 interacts with TrkA and inhibits neuronal differentiation in PC12 cells Exp. Cell Res. 2015-02-04 [PMID: 25662281] (ICC/IF, Rat)

Details:

TrkA antibody R-152-100 used at 1:400 dilution in ICC-IF application on PC12 cells - fixation with 3.7% paraformaldehyde-PBS for 10 minutes, permeabilization with 0.1% Triton X-100 -PBS for 4 minutes, detection with Alexa Fluor 568 goat anti-rabbit IgG secondary antibody (Fig 5B).

Matrone C, Marolda R, Ciafre S et al. Tyrosine kinase nerve growth factor receptor switches from prosurvival to proapoptotic activity via Abeta-mediated phosphorylation. PNAS;106(27):11358-11363. 2009-01-01 [PMID: 19549834]

Zhang FX et al. Brain Res 16; 1062 (1-2) pp. 92-100. 2005-01-01 [PMID: 16256078]

Gearhart DA et al. J Neurosci Methods. 150(2) pp. 159-173. 2006-01-01 [PMID: 16085318]





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Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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