

Product Name: Trk Rabbit Polyclonal Antibody
Catalog #: APRab00125



Summary

Production Name	Trk Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	WB,IHC-P,ICC/IF
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purification	Affinity Chromatography

Immunogen

Gene Name	NTRK1/NTRK2/NTRK3
Alternative Names	gp140trk; GP145-TrkB; GP145-TrkC; MTC; NTRK1; NTRK2; NTRK3; p140-TrkA; TRKA; TRKB; TrkB tyrosine kinase; TRKC
Gene ID	4914/4916/4915
SwissProt ID	P04629/Q16288/Q16620.

Application

Dilution Ratio	WB: 1:500-1:1000 IHC: 1:50-1:100 IF: 1:50-1:200
Molecular Weight	Calculated MW: 87 kDa; Observed MW: 140 kDa

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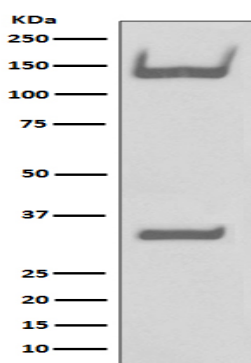
Background

The family of Trk receptor tyrosine kinases consists of TrkA, TrkB, and TrkC. While the sequence of these family members is highly conserved, they are activated by different neurotrophins: TrkA by NGF, TrkB by BDNF or NT4, and TrkC by NT3. Neurotrophin signaling through these receptors regulates a number of physiological processes, such as cell survival, proliferation, neural development, and axon and dendrite growth and patterning.

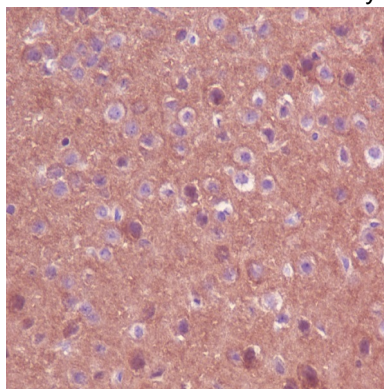
Research Area

Neuroscience

Image Data

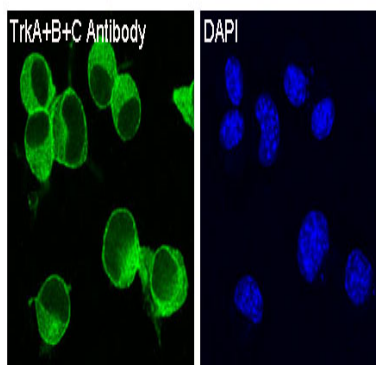


Western blot analysis of TrkA+B+C in Human fetal brain lysates using Trk antibody.



Immunohistochemistry analysis of paraffin-embedded mouse brain using TrkA+B+C antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.

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Immunofluorescence analysis of Trk in Neuro2a using TrkA+B+C antibody.

Note

For research use only.