

Anti-Trk B Rabbit pAb



WL00839

For Research Use Only. Not For Use In Diagnostic Procedures

Product Information

Product name	Anti-Trk B Rabbit pAb		
Source	Rabbit		
Species reactivity	Human, Mouse, Rat		
Tested applications	Western blot	1:500-1:1000	
	Immunohistochemistry	1:200	
<i>*Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own experiment using appropriate negative and positive controls.</i>			
Pack size	50/100/200/500/1000µl		
Storage	Store at -20°C. Avoid freeze/thaw cycles.		
Storage buffer	Supplied in 20 mM phosphate (pH 7.5), 150 mM NaCl, 100 µg/ml		
	BSA, 50% glycerol and less than 0.02% sodium azide		

General Information

Background	Trk B expression is confined to tissues within the central and peripheral nervous systems. The brain-derived neurotrophic factor (BDNF) and NT-3, but not NGF, can induce rapid phosphorylation on tyrosine of Trk B gp145, one of the receptors encoded by NTRK2, although BDNF elicits a response at least two orders of magnitude greater than NT-3. Thus it appears that Trk B gp145 may represent a neurotrophic receptor for BDNF and NT-3. The third member of the Trk family of tyrosine kinases, Trk C, encodes a protein designated Trk C gp145 that is preferentially expressed in brain tissue, is equally related to Trk A and Trk B and is a functional receptor for NT-3.
Immunogen	Polyclonal antibody is produced by immunizing animals with a synthetic peptide of Trk B.
Purification	Polyclonal antibody was purified by immunogen affinity chromatography.

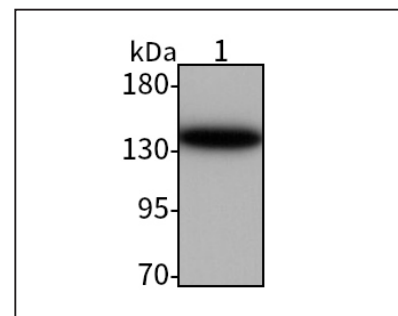
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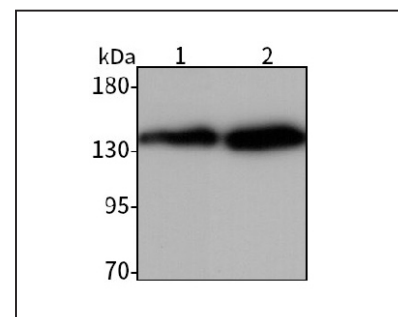
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Product Images



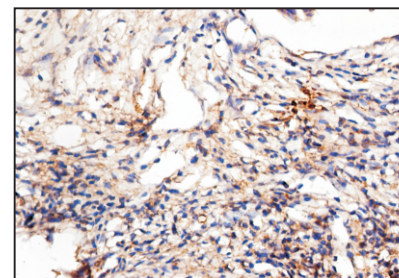
Western blot-Anti-Trk B pAb

Lane 1: Human SH-SY5Y cell lysate
 All lanes: Anti-TrkB at 1:1000 dilution
 Lysates/proteins at 20-50 µg per lane.
 Predicted band size: 92 kDa
 Observed band size: 140 kDa



Western blot-Anti-Trk B pAb

Lane 1: Mouse brain tissue lysate
 Lane 2: Rat brain tissue lysate
 All lanes: Anti-TrkB at 1:1000 dilution
 Lysates/proteins at 20-50 µg per lane.
 Predicted band size: 92 kDa
 Observed band size: 140 kDa



Immunohistochemistry-Anti-Trk B pAb

Sample: Human breast cancer tissue
 Antigen retrieval: pH 9.0 Tris-EDTA buffer
 Primary antibody: 1:200, 4°C, overnight
 Secondary antibody-Biotin: 1:150, 37°C, 1h
 Streptavidin-HRP: 1:200, 37°C, 30min
 Color Developing: DAB

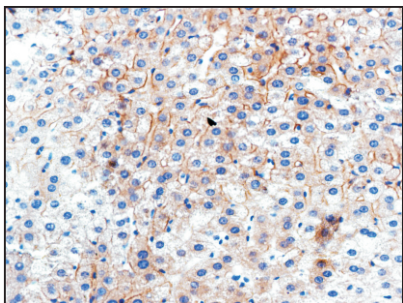
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Immunohistochemistry-Anti-Trk B pAb

Sample: Rat liver tissue

Antigen retrieval: pH 9.0 Tris-EDTA buffer

Primary antibody: 1:200, 4°C, overnight

Secondary antibody-Biotin: 1:150, 37°C, 1h

Streptavidin-HRP: 1:200, 37°C, 30min

Color Developing: DAB