

## Anti-Trk B Rabbit pAb



WL00839

For Research Use Only. Not For Use In Diagnostic Procedures

## Product Information

<b>Product name</b>	Anti-Trk B Rabbit pAb		
<b>Source</b>	Rabbit		
<b>Species reactivity</b>	Human, Mouse, Rat		
<b>Tested applications</b>	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>			
<b>Molecular Wt.</b>	92 kDa		
<b>Pack size</b>	50/100/200/500/1000μl		
<b>Storage</b>	Store at -20°C. <b>Avoid freeze/thaw cycles.</b>		
<b>Storage buffer</b>	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

<b>Background</b>	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.
<b>Immunogen</b>	Polyclonal antibody is produced by immunizing animals with a synthetic peptide of Trk B.
<b>Purification</b>	Polyclonal antibody was purified by immunogen affinity chromatography.

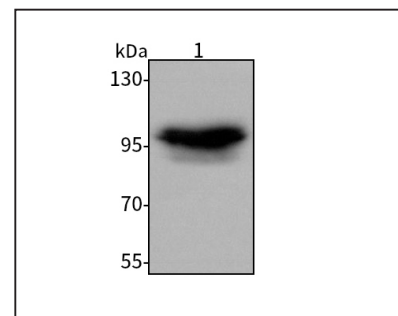
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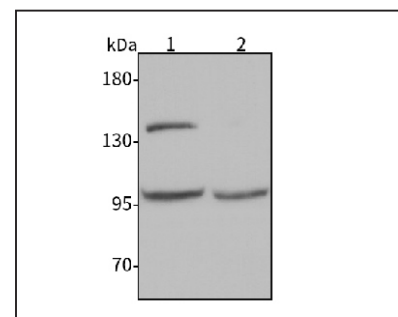
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## Product Images



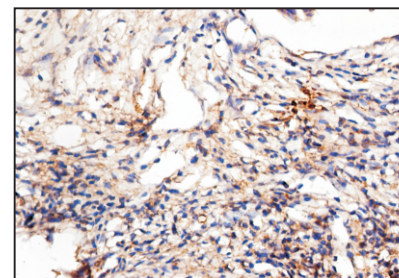
## Western blot-Anti-Trk B pAb

**Lane 1:** Human SH-SY5Y cell lysate 30μg  
**Separation gel:** 6% polyacrylamide  
**Electrophoresis:** 100V, 4°C, 3h  
**Transmembrane:** 100V, 4°C, 1h  
**Blocking:** 5% w/v nonfat dry milk, 1×TBST, at RT with gentle shaking  
**Primary antibody:** 1:1000 in blocking buffer, 4°C, overnight  
**Secondary antibody (WLA023a) :** 1:5000-1:10000, 45min  
**Detection:** ECL, 30s-2min



## Western blot-Anti-Trk B pAb

**Lane 1:** Mouse brain tissue lysate 30μg  
**Lane 2:** Rat brain tissue lysate 30μg  
**Separation gel:** 6% polyacrylamide  
**Electrophoresis:** 100V, 4°C, 3h  
**Transmembrane:** 100V, 4°C, 1h  
**Blocking:** 5% w/v nonfat dry milk, 1×TBST, at RT with gentle shaking  
**Primary antibody:** 1:1000 in blocking buffer, 4°C, overnight  
**Secondary antibody (WLA023a) :** 1:5000-1:10000, 45min  
**Detection:** ECL, 30s-2min



## 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

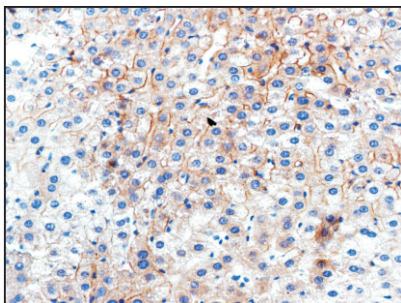
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### Immunohistochemistry-Anti-Trk B pAb

**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