

## Anti-TRK B (Phospho-Y516) Antibody

Catalog #	Source	Reactivity	Applications
CPA1831	Rabbit	H, M, R, B, C, D, Mk, Rb	WB, IH
<b>Description</b>	Rabbit polyclonal antibody to TRK B (Phospho-Y516)		
<b>Immunogen</b>	KLH-conjugated synthetic phosphopeptide corresponding to residues surrounding Y516 of human TRK B protein. The exact sequence is proprietary.		
<b>Purification</b>	The antibody was purified by immunogen affinity chromatography.		
<b>Specificity</b>	Recognizes endogenous levels of TRK B protein only when phosphorylated at Y516.		
<b>Clonality</b>	Polyclonal		
<b>Conjugation</b>			
<b>Form</b>	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.		
<b>Dilution</b>	WB (1/500 - 1/1000), IH (1/50 - 1/100)		
<b>Gene Symbol</b>	NTRK2		
<b>Alternative Names</b>	TRKB; BDNF/NT-3 growth factors receptor; GP145-TrkB; Trk-B; Neurotrophic tyrosine kinase receptor type 2; TrkB tyrosine kinase; Tropomyosin-related kinase B		
<b>Entrez Gene</b>	4915 (Human); 18212 (Mouse); 25054 (Rat)		
<b>SwissProt</b>	Q16620 (Human); P15209 (Mouse); Q63604 (Rat)		
<b>Storage/Stability</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C for one year. Avoid freeze/thaw cycles.		

**Application key:** E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, CHIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

**Species reactivity key:** H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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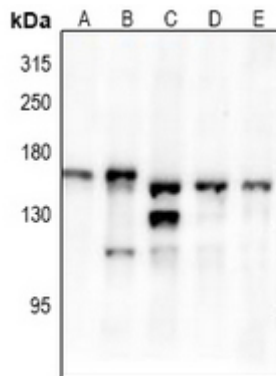
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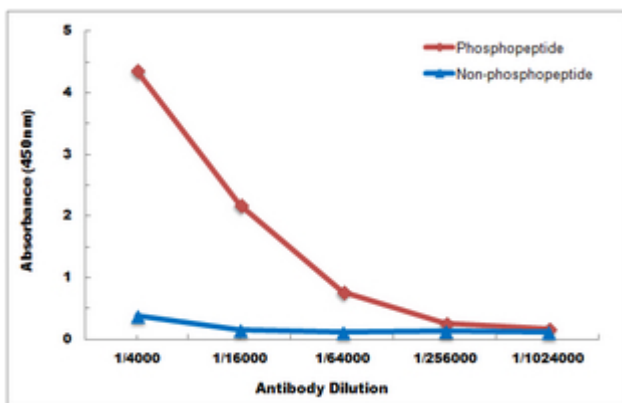
# Product Data Sheet



Western blot analysis of TRK B (Phospho-Y516) expression in mouse kidney (A), rat kidney (B), BV2 (C), PC12 (D), SGC7901 (E) whole cell lysates. (Predicted band size: 91 kDa; Observed band size: 145 kDa)



Immunohistochemical analysis of TRK B (Phospho-Y516) staining in human brain formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Direct ELISA antibody dose-response curve using Anti-TRK B (Phospho-Y516) Antibody. Antigen (Phosphopeptide and non-phosphopeptide) concentration is 5 ug/ml. Goat Anti-Rabbit IgG (H&L) - HRP was used as the secondary antibody, and signal was developed by TMB substrate.

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