

Anti-Phospho-NTRK2 (Tyr817) Antibody (6J201)

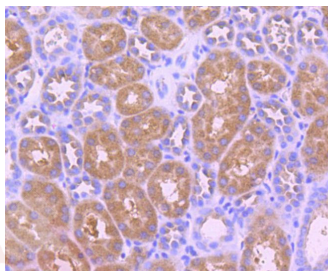
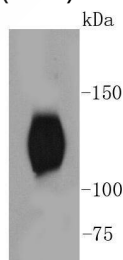
Product Details

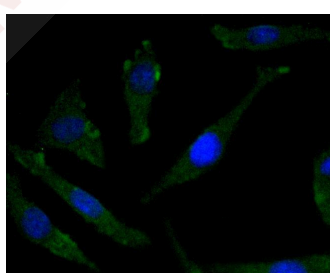
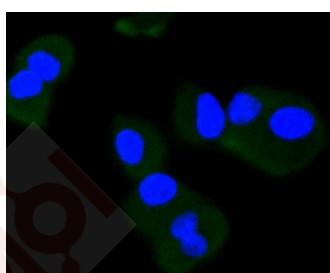
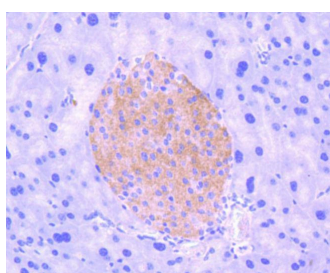
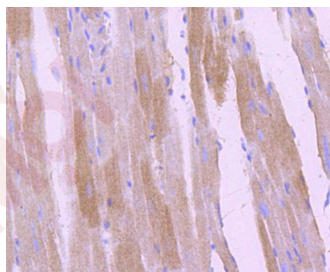
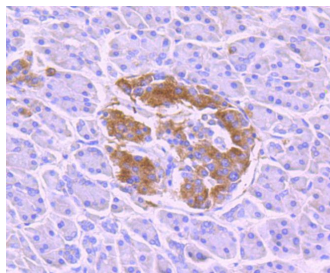
Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 145 kDa.
Clone:	6J201
Purification:	ProA affinity purified

Applications

Verified Activity:

1. Western blot analysis of phospho-TrkB (Y817) on mouse brain lysates using anti-phospho-TrkB (Y817) antibody at 1/1,000 dilution.
2. Immunohistochemical analysis of paraffin-embedded human kidney tissue using anti-phospho-TrkB (Y817) antibody. Counter stained with hematoxylin.
3. Immunohistochemical analysis of paraffin-embedded human pancreas tissue using anti-phospho-TrkB (Y817) antibody. Counter stained with hematoxylin.
4. Immunohistochemical analysis of paraffin-embedded mouse heart tissue using anti-phospho-TrkB (Y817) antibody. Counter stained with hematoxylin.
5. Immunohistochemical analysis of paraffin-embedded mouse pancreas tissue using anti-phospho-TrkB (Y817) antibody. Counter stained with hematoxylin.
6. ICC staining phospho-TrkB (Y817) in PANC-1 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.
7. ICC staining phospho-TrkB (Y817) in SH-SY-5Y cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.





Application: ICC/IF,IHC,IP,WB

Recommended WB: 1:1000-5000; IHC: 1:50-200; ICC/IF: 1:50-200

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: A synthesized phosphopeptide: human TrkB around the phosphorylation site of Tyr817
Antigen Species: Human
Uniprot ID: Q16620
Synonyms: p-NTRK2 (Tyr817);NTRK2 (p-Tyr817);p-NTRK2 (Y817);NTRK2 (p-Y817)

Research Background

The Trk proto-oncogene encodes a tyrosine protein kinase, Trk A, also designated Trk gp140, that serves as a receptor for certain neurotrophic factors including nerve growth factor (NGF) and neurotrophin-3 (NT-3). Trk B is a tyrosine kinase gene highly related to Trk A. 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.

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