

Anti-TrkB Polyclonal Antibody

Product Details

Ig Type: IgG
Reactivity: Human,Rat (predicted:Mouse)
Molecular Weight: Theoretical: 90-92 kDa. Actual: 130 kDa.
Purification: Protein A purified

Applications

1. Blank control: RSC96 (blue), the cells were fixed with 2% paraformaldehyde (10 min) and then permeabilized with ice-cold 90% methanol for 30 min on ice.

Isotype Control Antibody: Rabbit Igg (orange);

Secondary Antibody: Goat anti-rabbit IgG-Pe (white blue),

Dilution: 1:200 in 1 X PBS containing 0.5% BSA;

Primary Antibody Dilution: 1 μ g in 100 μ L 1X PBS containing 0.5% BSA (green).

2. Sample:

Lane 1: SH-SY5Y (Human) Cell Lysate at 30 μ g

Lane 2: U251 (Human) Cell Lysate at 30 μ g

Verified Activity: Lane 3: U87MG (Human) Cell Lysate at 30 μ g

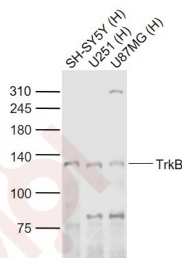
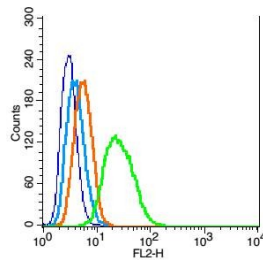
Primary: Anti-TrkB (TMAB-01901) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 130 kDa

Observed band size: 130 kDa

3. Paraformaldehyde-fixed, paraffin embedded (Rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (TrkB) Polyclonal Antibody, Unconjugated (TMAB-01901) at 1:400 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.





Application: FCM,IF,IHC-Fr,IHC-P,WB

Recommended WB: 1:500-2000; IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500; FCM: 1µg/Test

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: KLH conjugated synthetic peptide: human NTRK2

Antigen Species: Human

Gene ID: 4915

Uniprot ID: Q16620

Synonyms: neurotrophic tyrosine kinase, receptor, type 2;Tkrb;trk-B;TRKB;GP145-TrkB;GP145-TrkB/GP95-TrkB

Biology Area: Growth factor receptors,Cellular metabolism,Neurotrophins

Research Background

This gene encodes a member of the neurotrophic tyrosine receptor kinase (NTRK) family. This kinase is a membrane-bound receptor that, upon neurotrophin binding, phosphorylates itself and members of the MAPK pathway. Signalling through this kinase leads to cell differentiation. Mutations in this gene have been associated with obesity and mood disorders. Alternate transcriptional splice variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008].

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