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**Product Name: Trk B Rabbit Monoclonal Antibody****Catalog #: AMRe03802**

For research use only.

**Summary**

|                      |  |
|----------------------|--|
| <b>Description</b>   | Recombinant rabbit monoclonal antibody   |
| <b>Host</b>          | Rabbit   |
| <b>Application</b>   | WB,IHC,IP  |
| <b>Reactivity</b>    | Mouse,Rat  |
| <b>Conjugation</b>   | Unconjugated   |
| <b>Modification</b>  | Unmodified   |
| <b>Isotype</b>       | IgG  |
| <b>Clonality</b>     | Monoclonal   |
| <b>Form</b>          | Liquid   |
| <b>Concentration</b> | 0.5mg/ml. The concentration of this product may be batch-dependent.                                  |
| <b>Storage</b>       | Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.                          |
| <b>Shipping</b>      | Ice bags   |
| <b>Buffer</b>        | 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% protective protein |
| <b>Purification</b>  | Affinity Purification  |

**Application**

|                         |  |
|-------------------------|--|
| <b>Dilution Ratio</b>   | WB 1:500-1:1000,IHC 1:50-1:100,IP 1:20-1:50    |
| <b>Molecular Weight</b> | Calculated MW: 92 kDa; Observed MW: 90-140 kDa |

**Antigen Information**

|                          |   |
|--------------------------|---|
| <b>Gene Name</b>         | Ntrk2                                   |
| <b>Alternative Names</b> | Tkrb; trkB; trk-B; GP145-TrkB/GP95-TrkB |
| <b>Gene ID</b>           | 18212.0                                 |
| <b>SwissProt ID</b>      | P15209                                  |
| <b>Immunogen</b>         | Recombinant protein of mouse TrkB       |

**Background**

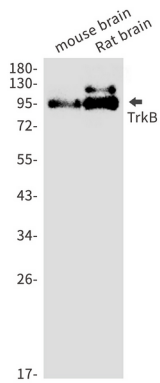
Receptor tyrosine kinase involved in the development and the maturation of the central and the peripheral nervous systems through regulation of neuron survival, proliferation, migration, differentiation, and synapse formation and plasticity. Receptor

for BDNF/brain-derived neurotrophic factor and NTF4/neurotrophin-4. Alternatively can also bind NTF3/neurotrophin-3 which is less efficient in activating the receptor but regulates neuron survival through NTRK2.

## Research Area

Neuroscience

## Image Data



Western blot analysis of TrkB in mouse brain, rat brain lysates using Trk B antibody.