

# Anti-Monkey TrkB mAb

Catalog No.: A28879

## Basic Information

### Observed MW

Refer to figures

### Calculated MW

92 kDa

### Category

Primary antibody

### Applications

mIHC

### Cross-Reactivity

Cynomolgus monkey

### CloneNo number

ARC5489-01

## 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. Alternative splicing results in multiple transcript variants.

## Recommended Dilutions

mIHC 1:2000-1:8000

## Immunogen Information

### Gene ID

4915

### Swiss Prot

Q16620

### Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

### Synonyms

OBHD; TRKB; DEE58; trk-B; EIEE58; GP145-TrkB

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

Affinity purification

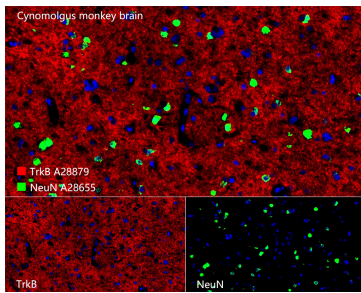
### Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

## Validation Data

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The multiplex IHC analysis on paraffin-embedded Cynomolgus monkey brain tissue using the following specific primary antibodies and tyramide signal amplification (TSA) reagents (RK05903) : Anti-Monkey NeuN mAb (A28655, 1:2000) with TSA-TYR-520 (Green), and Anti-Monkey TrkB mAb (A28879, 1:5000) with TSA-TYR-570 (Red). DAPI (Blue) was used for nuclear staining. Prior to multiplex IHC staining, high-pressure antigen retrieval was performed using 0.01M citrate buffer at pH 6.0. The analysis was completed using a 40x objective lens.