

AP0423

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# Phospho-TrkB-Y705 Rabbit pAb

Catalog No.: AP0423

11 Publications

## Basic Information

### Observed MW

140kDa

### Calculated MW

92kDa

### Category

Polyclonal Antibody

### Applications

WB, ELISA

### Cross-Reactivity

Human, Mouse

## 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

**WB** 1:500 - 1:2000

**ELISA** Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

## Immunogen Information

### Gene ID

4915

### Swiss Prot

Q16620

### Immunogen

A synthetic phosphorylated peptide around Y705 of human TrkB (NP\_001018074.1).

### Synonyms

OBHD; TRKB; DEE58; trk-B; EIEE58; GP145-TrkB; Phospho-TrkB-Y705

## Contact



[www.abclonal.com](http://www.abclonal.com)

## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

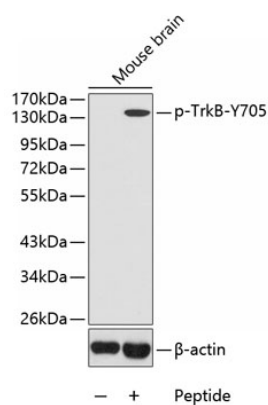
Affinity purification

### Storage

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

Buffer: PBS with 0.05% proclin300, 50% glycerol, pH7.3.

# Validation Data



Western blot analysis of lysates from mouse brain tissue, using Phospho-TrkB-Y705 Rabbit pAb (AP0423).  
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25µg per lane.  
Blocking buffer: 3% BSA.