

Datasheet for ABIN1531204  
**anti-TRKB antibody (pTyr706)**



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3 Images

## Overview

Quantity:	100 µL
Target:	TRKB (NTRK2)
Binding Specificity:	AA 671-720, pTyr706
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TRKB antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunofluorescence (IF)

## Product Details

Immunogen:	The antiserum was produced against synthesized peptide derived from human Trk B around the phosphorylation site of Tyr705.
Isotype:	IgG
Specificity:	Trk B (Phospho-Tyr705) Antibody detects endogenous levels of Trk B only when phosphorylated at Tyr705. PhosphorylationH:Y706 M:Y705 R:Y705
Purification:	The antibody was purified from rabbit antiserum by affinity-chromatography using phospho peptide. The antibody against non-phospho peptide was removed by chromatography using corresponding non-phospho peptide.
Purity:	> 95 %

### Target Details

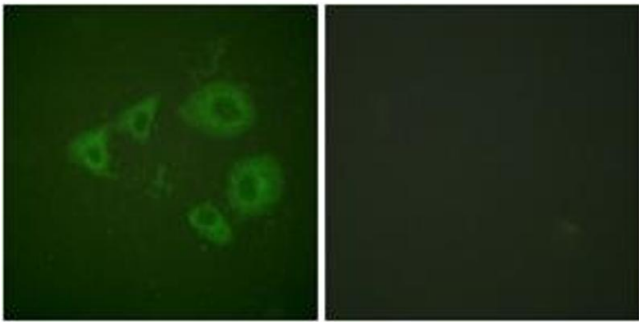
Target:	TRKB (NTRK2)
Alternative Name:	Trk B ( <a href="#">NTRK2 Products</a> )
Background:	Synonyms: BDNF/NT-3 growth factors receptor precursor, GP145-TrkB, GP145-TrkB/GP95-TrkB, NTRK2, Trk-B, TrkB tyrosine kinase, kinase TrkB NCBI Gene Symbol: NTRK2
Molecular Weight:	91 kDa
Gene ID:	4915
OMIM:	600456
UniProt:	<a href="#">Q16620</a>
Pathways:	<a href="#">RTK Signaling</a> , <a href="#">Neurotrophin Signaling Pathway</a> , <a href="#">cAMP Metabolic Process</a> , <a href="#">Skeletal Muscle Fiber Development</a> , <a href="#">Feeding Behaviour</a> , <a href="#">Dicarboxylic Acid Transport</a>

### Application Details

Application Notes:	WB: 1:500~1:1000 IHC: 1:50~1:100 IF: 1:100~1:500 ELISA: 1:20000
Comment:	Unigene-Number: Hs.494312, Hs.712776 (NCBI Gene Symbol: NTRK2)
Restrictions:	For Research Use only

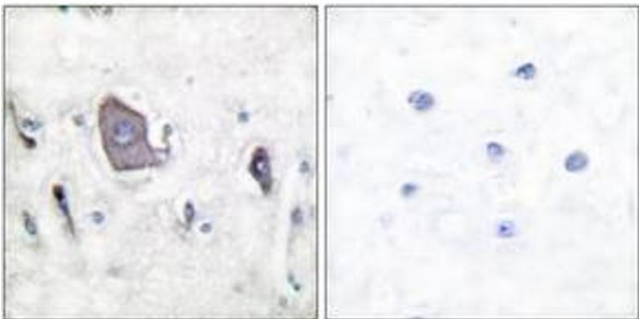
### Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Stable at -20°C for at least 1 year.
Expiry Date:	12 months



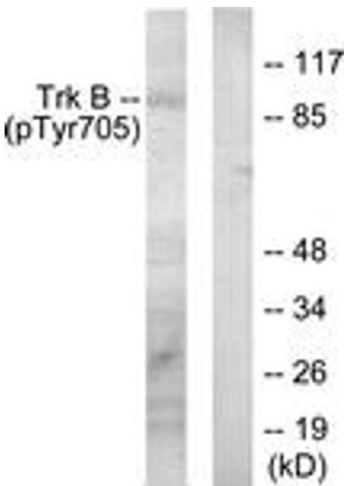
Immunofluorescence

**Image 1.** Immunofluorescence analysis of HuvEc cells, using Trk B (Phospho-Tyr705) Antibody. The picture on the right is treated with the synthesized peptide.



Immunohistochemistry

**Image 2.** Immunohistochemistry analysis of paraffin-embedded human brain, using Trk B (Phospho-Tyr705) Antibody. The picture on the right is treated with the synthesized peptide.



Western Blotting

**Image 3.** Western blot analysis of extracts from mouse kidney, using Trk B (Phospho-Tyr705) Antibody. The lane on the right is treated with the synthesized peptide.