

## Product Data Sheet: Phospho-Trk B (Y706) Rabbit Polyclonal Antibody

Cat. No: ABP11158

Conjugate: Unconjugated

Size: 100 ug

Clone: Poly

Concentration: 1mg/ml

Host: Rabbit

Isotype: IgG

Immunogen: The antiserum was produced against synthesized peptide derived from human

Trk B around the phosphorylation site of Tyr705. AA range:671-720

**Reactivity:** Human; Mouse; Rat

Western Blot: 1/500 - 1/2000

**Applications:** Immunohistochemistry: 1/100 – 1/300

Immunofluorescence: 1/200 - 1/1000

**Molecular Weight:** 92kD

**Purification:** The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

NTRK2; TRKB; BDNF/NT-3 growth factors receptor; GP145-TrkB; Trk-B;

**Synonyms:** Neurotrophic tyrosine kinase receptor type 2; TrkB tyrosine kinase; Tropomyosin-

related kinase B

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

Background: binding, phospholylates itself and members of the MARK pathway. Signaling through this kings a leads to self differentiation. Mutations in this gaps have be

through this kinase leads to cell differentiation. Mutations in this gene have been

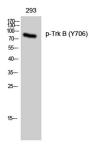
associated with obesity and mood disorders. Alternative splicing results in

multiple transcript variants.

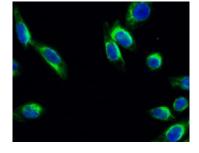
Form: liquid

**Buffer:** Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

**Storage:** Store at -20°C. Avoid repeated freeze-thaw cycles.

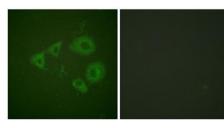


Western Blot analysis of 293 cells using Phospho-Trk B (Y706) Polyclonal Antibody diluted at 1:1000



Immunofluorescence analysis of Hela cell. 1,Trk B (phospho Tyr706) Polyclonal Antibody(green) was diluted at 1:200(4° overnight). 2, Goat Anti Rabbit Alexa Fluor 488

was diluted at 1:1000(room temperature, 50min). 3 DAPI(blue)

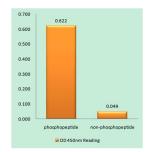


Immunofluorescence analysis of HUVEC cells, using Trk B (Phospho-Tyr705)
Antibody. The picture on the right is blocked with the phospho peptide.



## Product Data Sheet: Phospho-Trk B (Y706) Rabbit Polyclonal Antibody

10min.



Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using Trk B (Phospho-Tyr705) Antibody

## For Research use only IMMUNOLOGICAL SCIENCES