

Anti-Trk B (phospho-Y706) NTRK2 Antibody

Catalog Number: A01388Y706

About NTRK2

Following activation by double-stranded RNA in the presence of ATP, the kinase becomes autophosphorylated and can catalyze the phosphorylation of the translation initiation factor EIF2S1, which leads to an inhibition of the initiation of protein synthesis. Double-stranded RNA is generated during the course of a viral infection.

Abujiang Pataer, et.al. (2002) Cancer Res ; 62: 2239.

K. D. Ryman, et.al. (2005) J. Virol ; 79: 1487 - 1499.

Susana Guerra, et.al. (2006) J. Biol. Chem ; 281: 18734 - 18745.

Overview

Product Name	Anti-Trk B (phospho-Y706) NTRK2 Antibody
Reactive Species	Human
Description	Boster Bio Anti-Trk B (phospho-Y706) NTRK2 Antibody catalog # A01388Y706. Tested in WB,IHC,IF applications. This antibody reacts with Human.
Application	IF, IHC, WB
Clonality	Polyclonal
Formulation	Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	Q16620

Technical Details

Immunogen	The antiserum was produced against synthesized peptide derived from human Trk B around the phosphorylation site of Tyr515 at amino acid range 481-530
Predicted Reactive Species	Boar, Bovine, Canine, Golden Hamster
Cross Reactivity	No cross reactivity with other proteins.
Isotype	IgG
Form	Liquid
Concentration	1 mg/ml

Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).
Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this kit. If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples. Some PubMed article(s) citing the expression level of this target are as follows: Boster Bio's internal QC testing used: WB: 1:500-1:1000 IHC: 1:50-1:200 IF: 1:50-1:200

Anti-Trk B (phospho-Y706) NTRK2 Antibody (A01388Y706) Images

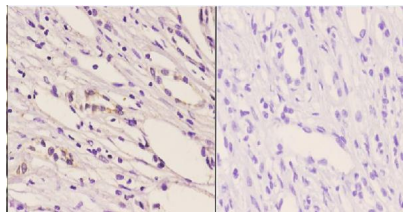


Figure 2. Immunohistochemistry validation of NTRK2 using Anti-Trk B (phospho-Y706) NTRK2 Antibody (A01388Y706).

Immunohistochemistry (IHC) analyzes of p-Trk B (Y706) pAb in paraffin-embedded human kidney carcinoma tissue at 1:50, showing cytoplasmic staining. Negative control (the right) Using PBS instead of primary antibody

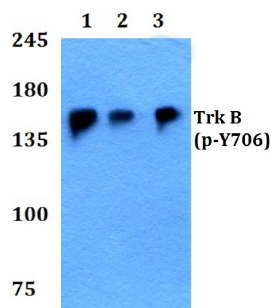


Figure 1. Western blotting validation for Anti-Trk B (phospho-Y706) NTRK2 Antibody A01388Y706

Western blot (WB) analysis of Trk B (phospho-Y706) polyclonal antibody at 1:500 dilution
Lane1: HEK293T whole cell lysate (40ug)
Lane2: HEK293T treated with EGF (100ng/ml)

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