

Product Datasheet

TrkB Antibody (10B6C4) - BSA Free NBP2-52524

Unit Size: 0.1 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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Publications: 1

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NBP2-52524

TrkB Antibody (10B6C4) - BSA Free

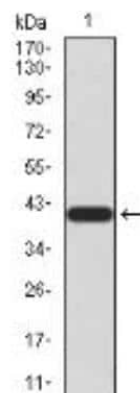
Product Information	
Unit Size	0.1 mg
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	10B6C4
Preservative	0.05% Sodium Azide
Isotype	IgG1
Purity	Protein G purified
Buffer	PBS
Target Molecular Weight	92 kDa

Product Description	
Description	Novus Biologicals Mouse TrkB Antibody (10B6C4) - BSA Free (NBP2-52524) is a monoclonal antibody validated for use in IHC, WB and ELISA. Anti-TrkB Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	4915
Gene Symbol	NTRK2
Species	Human
Immunogen	Purified recombinant fragment of human TrkB (AA: 207-339) expressed in E. Coli.

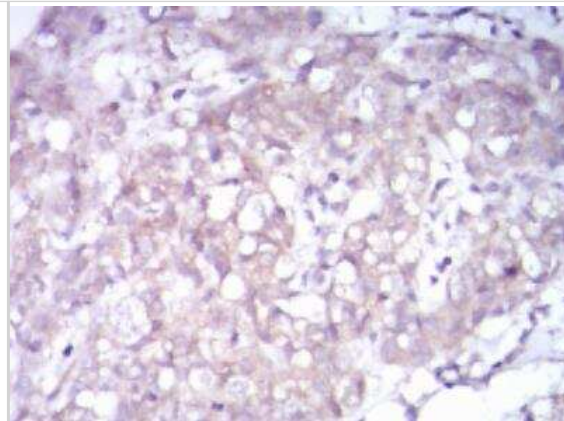
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, ELISA, Immunohistochemistry
Recommended Dilutions	Western Blot 1:500-1:2000, ELISA 1:10000, Immunohistochemistry 1:200-1:1000, Immunohistochemistry-Paraffin 1:200-1:1000

Images

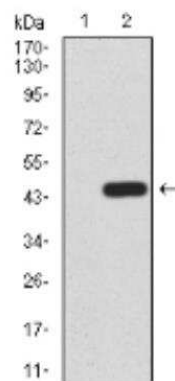
Western Blot: TrkB Antibody (10B6C4) [NBP2-52524] - Analysis using NTRK2 mAb against human NTRK2 recombinant protein. (Expected MW is 40.6 kDa)



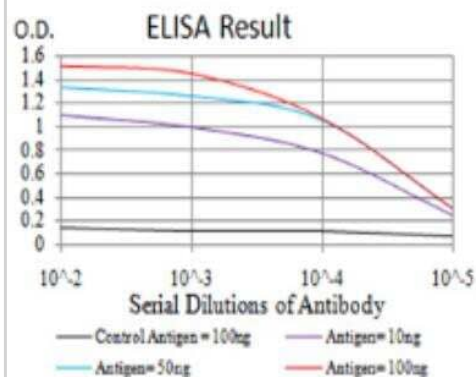
Immunohistochemistry-Paraffin: TrkB Antibody (10B6C4) [NBP2-52524] - Analysis of paraffin-embedded breast cancer tissues using NTRK2 mouse mAb with DAB staining.



Western Blot: TrkB Antibody (10B6C4) [NBP2-52524] - Analysis using NTRK2 mAb against HEK293 (1) and NTRK2 -hlgGfC transfected HEK293 (2) cell lysate.



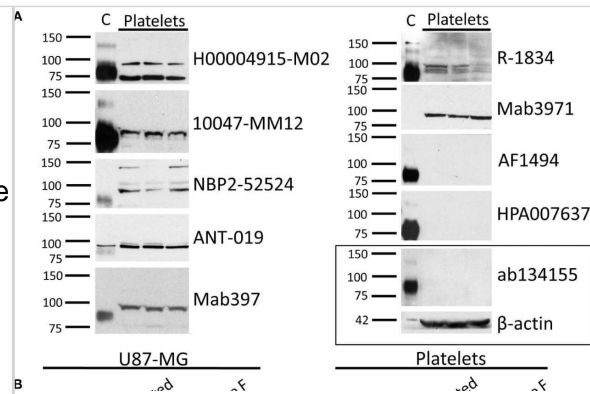
ELISA: TrkB Antibody (10B6C4) [NBP2-52524] - lack line: Control Antigen (100 ng); Purple line: Antigen(10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng);



TrkB expression in human brain and platelets. (A) Healthy human cortex (C; 3 ug) and platelets lysates (platelets; 30 to 75 ug) were analyzed in denaturing and reducing conditions and blotted with antibodies raised against TrkB extracellular domain. Left: molecular weight marker in kDa. Right: antibody catalog number. β -actin was used as a loading control.

(B) Human glioblastoma cells U87-MG and healthy platelets lysates were either left untreated (Untreated) or submitted to 37C overnight in absence (Sham) or presence of N-deglycosylation enzyme PNGase F (PNGase F). Membranes were blotted with ANT-019 antibody against TrkB ECD. PNGase F activity was confirmed by reblotting membranes with antibodies against N-glycosylated proteins sortilin for U87-MG and CD42b for platelets.

(C) Human glioblastoma U87-MG cells and healthy human platelets isolated from whole blood were fixed or fixed and permeabilized. Cells were labeled with antibodies directed toward the extracellular domain of the TrkB receptor and analyzed by flow cytometry. Results shown are representative of (A) ≥ 3 independent experiments and ≥ 5 different platelet samples from different donors and (B, C) 3 independent experiments and 3 different donors for platelets samples. Image collected and cropped by CiteAb from the following open publication (<https://pubmed.ncbi.nlm.nih.gov/33643311>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

Fleury S, Boukhatem I, Le Blanc J et al. Tissue-Specificity of Antibodies Raised Against TrkB and p75NTR Receptors; Implications for Platelets as Models of Neurodegenerative Diseases *Frontiers in Immunology* 2021-02-11 [PMID: 33643311] (WB, Human)



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Products Related to NBP2-52524

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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