

Product Datasheet

TrkB Antibody (8D2E8) - BSA Free NBP2-52523

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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NBP2-52523

TrkB Antibody (8D2E8) - 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	8D2E8
Preservative	0.05% Sodium Azide
Isotype	IgG1
Purity	Protein G purified
Buffer	PBS
Target Molecular Weight	92 kDa

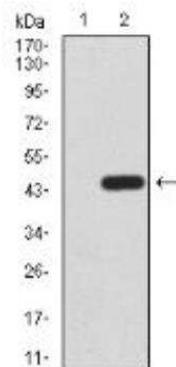
Product Description	
Description	Novus Biologicals Mouse TrkB Antibody (8D2E8) - BSA Free (NBP2-52523) is a monoclonal antibody validated for use in WB and ELISA. Anti-TrkB Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	4915
Gene Symbol	NTRK2
Species	Human
Immunogen	Purified recombinant fragment of human TrkB (AA: 207-339) expressed in E. Coli.

Product Application Details	
Applications	Western Blot, ELISA, CyTOF-ready
Recommended Dilutions	Western Blot 1:500-1:2000, ELISA 1:10000, CyTOF-ready
Application Notes	This antibody is Cytof ready.

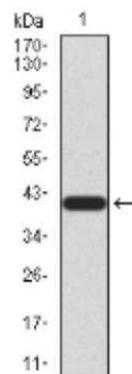


Images

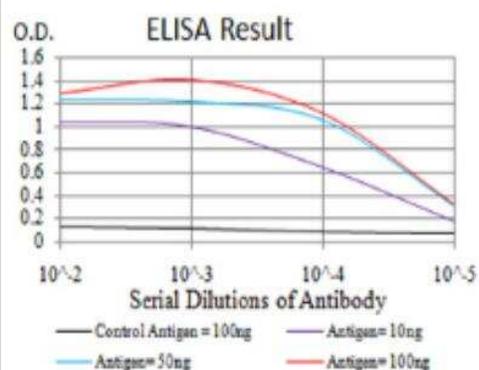
Western Blot: TrkB Antibody (8D2E8) [NBP2-52523] - Analysis using NTRK2 mAb against HEK293 (1) and NTRK2 (AA: 207-339)-hIgGfc transfected HEK293 (2) cell lysate.



Western Blot: TrkB Antibody (8D2E8) [NBP2-52523] - Analysis using NTRK2 mAb against human NTRK2 (AA: 207-339) recombinant protein. (Expected MW is 40.6 kDa)



ELISA: TrkB Antibody (8D2E8) [NBP2-52523] - Black line: Control Antigen (100 ng); Purple line: Antigen(10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng);



ZEB 1 suppression by miRNAs maintains cancer stem cell properties. mRNA expression levels of cancer stem cell-related genes (A–D). (A) Cells transfected with ZEB1 inhibitor miRNAs upregulate TrkB mRNA expression apart from miR-101-3p, miR-139-5p, and miR-144-3p (t-test *, $p = 0.02$, *, $p = 0.01$, and **, $p = 0.004$, respectively). (B) miR-200c-3p does not affect ALDH mRNA expression compared to the other miRNAs, which increase its expression (Mann–Whitney **, $p_{101} = 0.009$, t-test **, $p_{139} = 0.009$, t-test ** $p_{144} = 0.002$, and t-test ***, $p_{199} = 0.0006$). (C) NANOG mRNA is significantly upregulated after transfection with miR-144-3p and miR-199b-5p and shows no significant upregulation for the other miRNAs (t-test **, $p = 0.002$, and *, $p = 0.02$, respectively). (D) HIF-1 α mRNA levels are upregulated after transfection with miR-144-3p but shows no statistical significance for the other microRNAs (t-test *, $p = 0.03$). (E) Western blot results of mRNA expression findings. Image collected and cropped by CiteAb from the following open publication (<https://www.mdpi.com/1422-0067/24/6/5916>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

Ferreira LAM, Bezerra MADS, Kawasaki-Oyama RS et al. Effect of ZEB1 Associated with microRNAs on Tumor Stem Cells in Head and Neck Cancer International journal of molecular sciences 2023-03-21 [PMID: 36982993] (WB, Human)





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Products Related to NBP2-52523

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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