

# Product Datasheet

## NFATC1/NFAT2 Antibody - BSA Free NB100-56732

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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**NB100-56732**

NFATC1/NFAT2 Antibody - BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	1.0 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Protein G purified
Buffer	PBS

Product Description	
Description	Novus Biologicals Rabbit NFATC1/NFAT2 Antibody - BSA Free (NB100-56732) is a polyclonal antibody validated for use in IHC, WB, ICC/IF and Simple Western. Anti-NFATC1/NFAT2 Antibody: Cited in 5 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	4772
Gene Symbol	NFATC1
Species	Human, Mouse
Specificity/Sensitivity	The amino acid sequence used is 100% identical in human NFATc1 A, B, C and E isoforms. The reported amino acid size of NFATc1 isoforms are as follows: A - 716 aa, B-825 aa, C-930 aa, and E-812 aa.
Immunogen	Amino acids 264-282 (NKRKYSLNQRQPPYSPHHS) of human NFATc1 were used as immunogen for this antibody.

Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Cleavage Under Targets and Tagmentation
Recommended Dilutions	Western Blot 1-3 ug/ml, Immunohistochemistry reported in scientific literature (PMID 35167499), Immunocytochemistry/ Immunofluorescence 1:20, Cleavage Under Targets and Tagmentation reported in scientific literature (PMID: 36073544)
Application Notes	<p>Immunoreactive bands can be blocked by preincubation of NB100-56732 with immunizing peptide. The NFATc1 antibody may detect multiple isoforms of different sizes depending upon testing material.</p> <p>In Simple Western only 10 - 15 uL of the recommended dilution is used per data point. See</p>

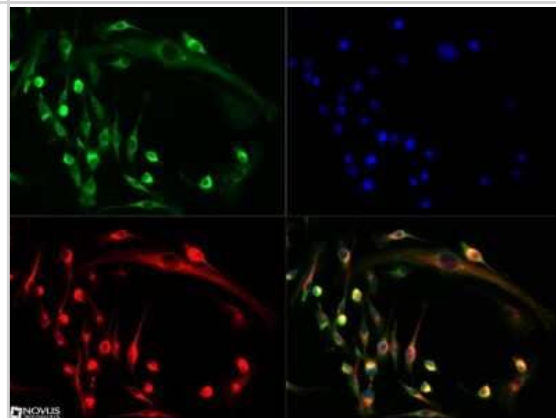


## Images

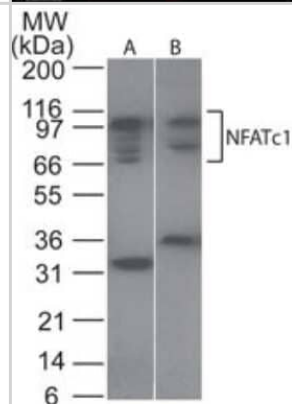
Western Blot: NFATC1/NFAT2 Antibody [NB100-56732] - Immortalized mouse podocytes. Image from verified customer review.



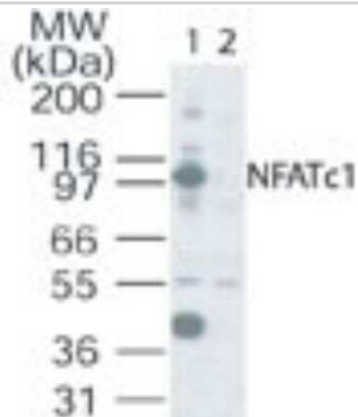
Immunocytochemistry/Immunofluorescence: NFATC1/NFAT2 Antibody [NB100-56732] - NFAT2 antibody was tested in Raw 246.7 cells with DyLight 488 (green). Nuclei and alpha-tubulin were counterstained with DAPI (blue) and DyLight 550 (red). Image objective 40x. An antibody dilution of 1:10 was used.



Western Blot: NFATC1/NFAT2 Antibody [NB100-56732] - Analysis of human (A) Ramos and (B) mouse RAW lysate using NFATc1 antibody at 1 ug/ml.



Western Blot: NFATC1/NFAT2 Antibody [NB100-56732] - Analysis of NFATc1 in Ramos cell lysate. (1) Without blocking peptide. (2) With blocking peptide.



## Publications

Janardhan HP, Dresser K, Hutchinson L, Trivedi CM. Pathological MAPK activation-mediated lymphatic basement membrane disruption causes lymphangiectasia that is treatable with raxoxertinib JCI Insight 2022-09-08 [PMID: 36073544] (Western Blot, Mouse)

Sarna NS, Desai SH, Kaufman BG, Curry NM et Al. Enhanced and sustained T cell activation in response to fluid shear stress iScience 2024-06-17 [PMID: 38883838]

Pham TX, Lee J, Guan J et al. Transcriptional analysis of lung fibroblasts identifies PIM1 signaling as a driver of aging-associated persistent fibrosis JCI insight 2022-02-15 [PMID: 35167499] (IF/IHC, Human)

Song J, Jing ZZ, Hu W et al. alpha-Linolenic Acid Inhibits Receptor Activator of NF- $\kappa$ B Ligand Induced (RANKL-Induced) Osteoclastogenesis and Prevents Inflammatory Bone Loss via Downregulation of Nuclear Factor-KappaB-Inducible Nitric Oxide Synthases (NF- $\kappa$ B-iNOS) Signaling Pathways. Med Sci Monit. 2017-10-24 [PMID: 29061958] (WB, Mouse)

Mack JJ, Mosqueiro TS, Archer BJ et al. NOTCH1 is a mechanosensor in adult arteries Nat Commun. 2017-11-20 [PMID: 29158473] (ICC/IF, Human)





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### **Products Related to NB100-56732**

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NBL1-13608	NFATC1/NFAT2 Overexpression Lysate
NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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### **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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