

Product Datasheet

Nse2 Antibody - BSA Free NBP1-76263

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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Updated 10/23/2024 v.20.1

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NBP1-76263

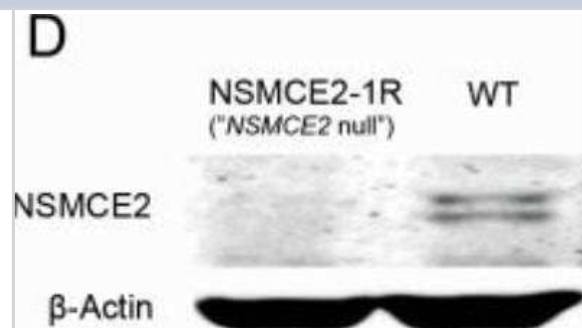
Nse2 Antibody - BSA Free

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	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Peptide affinity purified
Buffer	PBS
Target Molecular Weight	30 kDa
Product Description	
Host	Rabbit
Gene ID	286053
Gene Symbol	NSMCE2
Species	Human, Mouse, Rat
Reactivity Notes	Immunogen displays the following percentage of sequence identity for non-tested species: Bovine (80%).
Immunogen	Antibody was raised against a 15 amino acid synthetic peptide near the carboxy terminus of human MMS21. The immunogen is located within amino acids 170 - 220 of MMS21. Amino Acid Sequence: CIVRMIESRQKRKKKA
Product Application Details	
Applications	Western Blot, ELISA
Recommended Dilutions	Western Blot 0.5 - 1 ug/ml., ELISA 1:100-1:2000

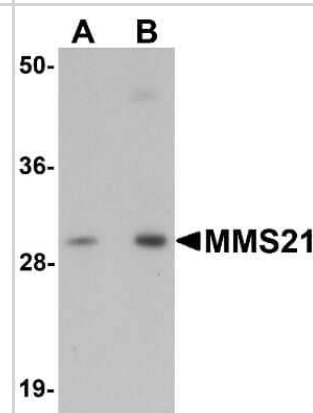


Images

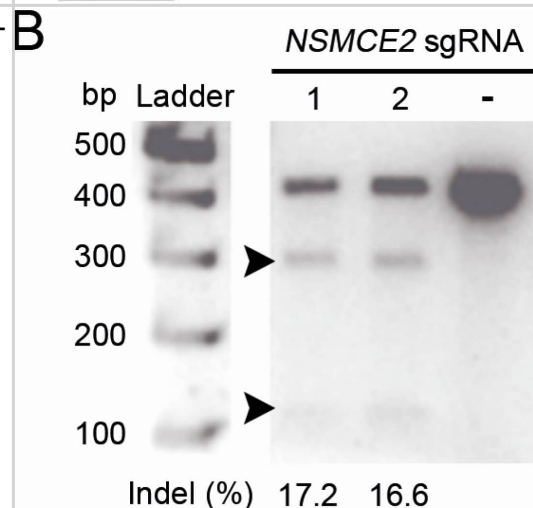
Western Blot: Nse2 Antibody - BSA Free [NBP1-76263] - Nse2 Antibody [NBP1-76263] - CRISPR-Cas9-mediated targeting of NSMCE2. Western blot analysis of the NSMCE2 protein in the final NSMCE2 null and WT cells. beta-Actin was used as a loading control. Image collected and cropped by CiteAb from the following publication (<https://www.mdpi.com/1422-0067/17/11/1782>) licensed under a CC-BY license.



Western Blot: Nse2 Antibody - BSA Free [NBP1-76263] - Nse2 Antibody [NBP1-76263] - 293 cell lysate with Nse2 antibody at (A) 0.5 and (B) 1 ug/mL.



Western Blot: Nse2 Antibody - BSA Free [NBP1-76263] - CRISPR-Cas9-mediated targeting of NSMCE2: (A) Left panel, transfected U2OS cells (GFP+) under bright field & fluorescence; right panel, FACS enrichment of GFP+ cells. Bar = 50 μ m; (B) Expected cleavage bands (approximately 304 & 113 bp, arrowheads) generated by Surveyor nuclease digestion. For negative control (-) transfection of the pX458 plasmids without NSMCE2 sgRNA was performed; (C) Sequencing analysis for characterization of the CRISPR-Cas9-induced frameshift mutations. Red letters represent the 20-nt targeting sequences, while blue letters refer to the protospacer-adjacent motif (PAM); (D) Western blot analysis of the NSMCE2 protein in the final NSMCE2 null & WT cells. β -Actin was used as a loading control. Image collected & cropped by CiteAb from the following publication (<http://www.mdpi.com/1422-0067/17/11/1782>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

Cho T, Zhao Y, Olivieri M et al. Chemogenetic profiling of ubiquitin-like modifier pathways identifies NFATC2IP as a mediator of SUMO-dependent genome integrity bioRxiv 2023-07-01 (WB, Human)

Details:
1:1000 dilution

Verver DE, Zheng Y, Speijer D et al. Non-SMC Element 2 (NSMCE2) of the SMC5/6 Complex Helps to Resolve Topological Stress. Int J Mol Sci 2016-10-26 [PMID: 27792189] (WB, Human)



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Products Related to NBP1-76263

NBP1-76263PEP	Nse2 Antibody Blocking Peptide
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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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