

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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Publications: 2

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Updated 9/9/2025 v.20.1

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NBP1-76263

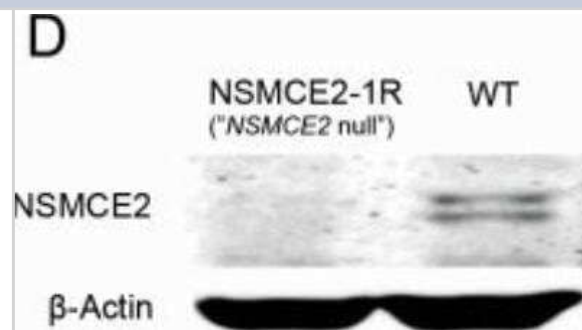
Nse2 Antibody - BSA Free

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	
Description	Novus Biologicals Rabbit Nse2 Antibody - BSA Free (NBP1-76263) is a polyclonal antibody validated for use in WB and ELISA. Anti-Nse2 Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
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

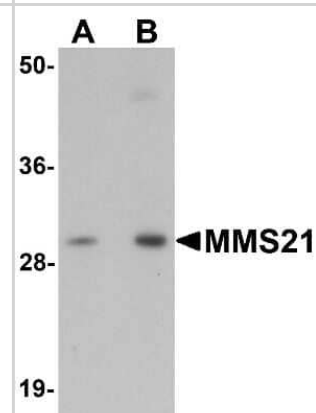


Images

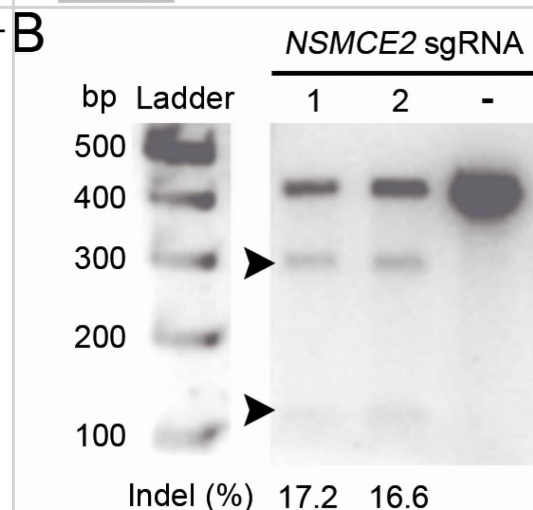
Western Blot: Nse2 Antibody - BSA Free [NBP1-76263] - Nse2 Antibody [NBP1-76263] - CRISPR-Cas9-mediated targeting of NSMCE2. Western blot analysis of the NSMCE2 protein in the final NSMCE2 null and WT cells. beta-Actin was used as a loading control. Image collected and cropped by CiteAb from the following 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 μm; (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
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

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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