

Product Datasheet

MDA5 Antibody - BSA Free NBP1-76760

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 10/23/2025 v.20.1

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NBP1-76760

MDA5 Antibody - BSA Free

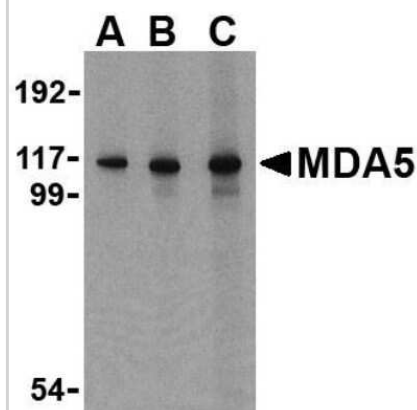
Product Information	
Unit Size	0.1 mg
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Peptide affinity purified
Buffer	PBS
Target Molecular Weight	115 kDa

Product Description	
Description	Novus Biologicals Rabbit MDA5 Antibody - BSA Free (NBP1-76760) is a polyclonal antibody validated for use in IHC, WB, ELISA and ICC/IF. Anti-MDA5 Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	64135
Gene Symbol	IFIH1
Species	Human, Mouse
Immunogen	Antibody was raised against a 16 amino acid synthetic peptide from near the carboxy terminus of human MDA5. The immunogen is located within the last 50 amino acids of MDA5. Amino Acid Sequence: FKNNSTKKQYKKWVEL

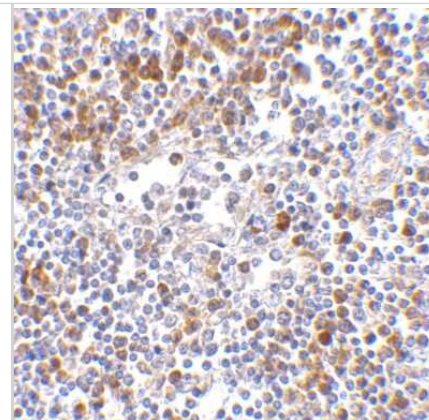
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, ELISA, Immunohistochemistry
Recommended Dilutions	Western Blot 1-4 ug/ml, ELISA 1:100-1:2000, Immunohistochemistry 5 ug/ml, Immunohistochemistry-Paraffin 5 ug/ml

Images

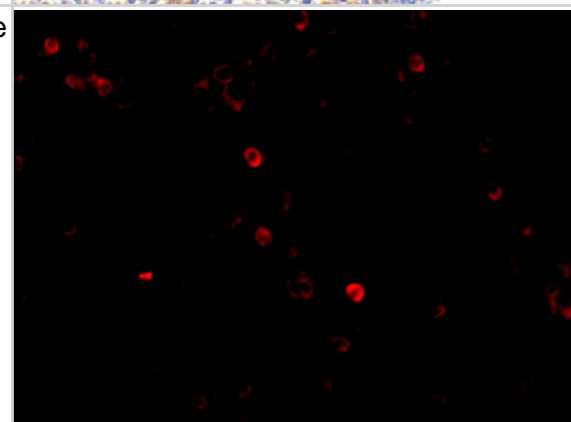
Western Blot: MDA5 Antibody [NBP1-76760] - Daudi cell lysate with MDA5 antibody at (A) 1, (B) 2 and (C) 4 ug/mL.



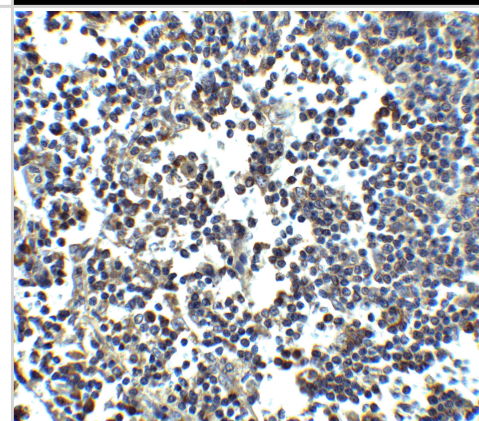
Immunohistochemistry-Paraffin: MDA5 Antibody [NBP1-76760] - Human lymph node tissue with MDA5 antibody at 5 ug/ml.



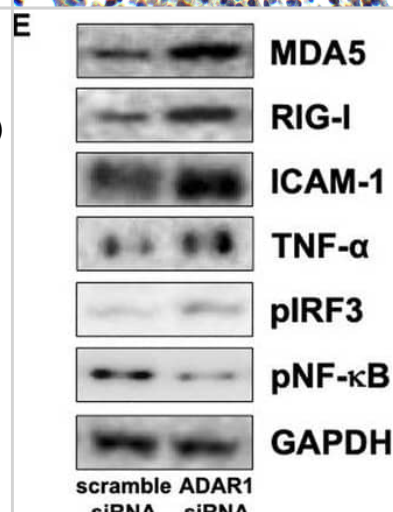
Immunocytochemistry/ Immunofluorescence: MDA5 Antibody - BSA Free [NBP1-76760] - Immunofluorescence of MDA5 in Human Lymph Node cells with MDA5 antibody at 20 ug/ml.



Immunohistochemistry: MDA5 Antibody - BSA Free [NBP1-76760] - Immunohistochemistry of MDA5 in human lymph node tissue with MDA5 antibody at 2.5 ug/ml.



ADAR1 knockdown results in dsRNA increases, type I interferon signaling and pro-inflammatory protein expression. (A) Immunoblots for MDA5 and RIG-I following ADAR1 knockdown. Unpaired t-test; n = 6/condition. (B) Representative images and relative J2 (dsRNA antibody) immunofluorescence signal showing dsRNA accumulation following ADAR1 knockdown. (C) Representative immunofluorescence images showing co-localization of dsRNA (J2) and MDA5 after transfection with ADAR1 siRNA. (D) Summary immunoblot data for ICAM-1, TNF- α , pIRF3, pNF- κ B, and (E) representative images following ADAR1 knockdown. (F) Concentrations of CXCL10 and IFN β following ADAR1 siRNA knockdown. **p \leq 0.01, ***p \leq 0.001, ****p \leq 0.0001 in unpaired t-test; n = 9/condition. Error bars represent SD. Image collected and cropped by CiteAb from the following open publication (<https://pubmed.ncbi.nlm.nih.gov/38035265>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

Cali M. McEntee, Alyssa N. Cavalier, Thomas J. LaRocca ADAR1 suppression causes interferon signaling and transposable element transcript accumulation in human astrocytes *Frontiers in Molecular Neuroscience* 2023-10-25 [PMID: 38035265]





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Products Related to NBP1-76760

NBP1-76760PEP	MDA5 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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