

Product Datasheet

MDA5 Antibody NB110-1244

Unit Size: 0.1 mg

Store at -20C. Avoid freeze-thaw cycles.

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Publications: 8

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NB110-1244

MDA5 Antibody

Product Information	
Unit Size	0.1 mg
Concentration	0.5 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris saline (20 mM Tris pH 7.3, 150 mM NaCl), 0.5% BSA

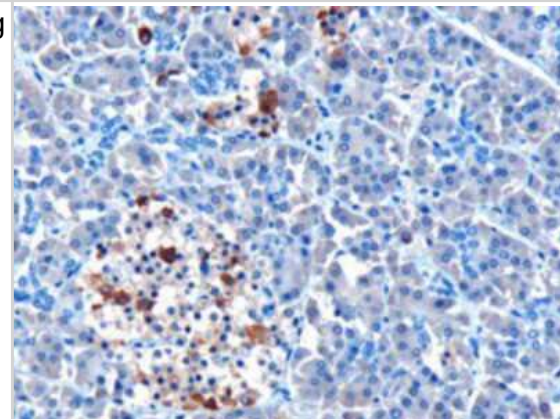
Product Description	
Description	Novus Biologicals Goat MDA5 Antibody (NB110-1244) is a polyclonal antibody validated for use in IHC, WB, ELISA and Flow. Anti-MDA5 Antibody: Cited in 8 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Goat
Gene ID	64135
Gene Symbol	IFIH1
Species	Human, Mouse, Primate
Reactivity Notes	Mouse reactivity reported in scientific literature (PMID: 27237091).
Immunogen	Peptide with sequence SNGYSTDENFRYL-C corresponding to N-Terminus according to NP_071451.2.

Product Application Details	
Applications	Immunohistochemistry-Paraffin, Flow Cytometry, Immunohistochemistry, Peptide ELISA
Recommended Dilutions	Flow Cytometry 10 ug/mL, Immunohistochemistry 10 ug/mL, Immunohistochemistry-Paraffin 10 ug/mL, Peptide ELISA Detection limit 1:32000

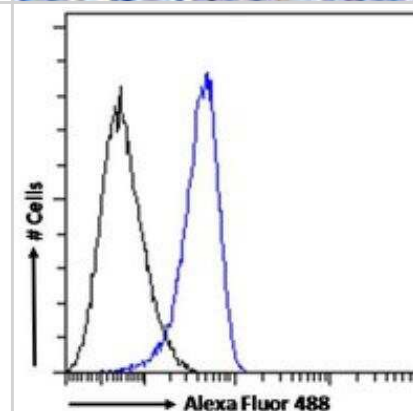


Images

Immunohistochemistry-Paraffin: MDA5 Antibody [NB110-1244] - Staining in paraffin embedded Human Pancreas. Antibody at 10 ug/mL. Microwaved antigen retrieval with Tris/EDTA buffer pH 9, HRP-staining.



Flow Cytometry: MDA5 Antibody [NB110-1244] - Flow cytometric analysis of paraformaldehyde fixed K562 cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (1ug/ml). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.



Publications

Zhu J, Duan G, Wang H et al. TREM-1 activation modulates dsRNA induced antiviral immunity with specific enhancement of MAPk signaling and the RLRs and TLRs on macrophages. *Exp. Cell Res.* 2016-05-26 [PMID: 27237091] (WB, Mouse)

Kang DC, Gopalkrishnan RV, Wu Q et al. mda-5: An interferon-inducible putative RNA helicase with double-stranded RNA-dependent ATPase activity and melanoma growth-suppressive properties. *Proc Natl Acad Sci U S A* 2002-01-22 [PMID: 11805321]

Chen KR, Chang CH, Huang CY et al. TBK1-associated protein in endolysosomes (TAPE)/CC2D1A is a key regulator linking RIG-I-like receptors to antiviral immunity. *J Biol Chem.* 2012-09-14 [PMID: 22833682]

Heutinck KM, Kassies J, Florquin S et al. SerpinB9 expression in human renal tubular epithelial cells is induced by triggering of the viral dsRNA sensors TLR3, MDA5 and RIG-I. *Nephrol Dial Transplant.* 2012-07-01 [PMID: 22167597] (WB, Human)

Details:
MDA5 (IMG-3202). WB: Human renal tubular epithelial (TECs) cells: Fig 2E. TBk1-associated protein in endolysosomes (TAPE)/CC2D1A is a key regulator linking RIG-I-like receptors to antiviral immunity. MDA5 (IMG-3202).

Liao S, Bao X, Liu T et al. Role of retinoic acid inducible gene-I in human metapneumovirus-induced cellular signalling. *J Gen Virol.* 2008-08-01 [PMID: 18632970] (WB, Human)

Details:
Refer to figure 1d (human A549 cells).

Bao X, Sinha M, Liu T et al. Identification of human metapneumovirus-induced gene networks in airway epithelial cells by microarray analysis. *Virology.* 2008-04-25 [PMID: 18234263] (WB, Human)

Details:
WB (human A549 cell lysates), Fig. 6D.

de Koning HD, Rodijk-Olthuis D, van Vlijmen-Willems IM et al. A comprehensive analysis of pattern recognition receptors in normal and inflamed human epidermis: upregulation of dectin-1 in psoriasis. *J Invest Dermatol.* 2010-11-01 [PMID: 20631729] (IHC-P, Human)

Details:
IHC (paraffin): Fig 2 (human epidermis).

Sato S, Hoshino K, Satoh T et al. RNA helicase encoded by melanoma differentiation-associated gene 5 is a major autoantigen in patients with clinically amyopathic dermatomyositis: Association with rapidly progressive interstitial lung disease. *Arthritis Rheum* 2009-07-01 [PMID: 19565506] (WB, Human)

Details:
WB (MDA5 transfected COS-7 cells (lane 1) and MDA5 positive human sera (lanes 2-5) that had been IP'D with an autoantibody to MDA5, Fig 2. MDA5 was observed at ~140 kDa. Note: MDA5 is also known as antigen CADM-140. Note: The specificity of the MDA5 (IMG-



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Products Related to NB110-1244

NBL1-11833	MDA5 Overexpression Lysate
NB110-1244PEP	MDA5 Peptide
HAF017	Rabbit anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
HAF109	Donkey anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
NB410-28088-1mg	Goat 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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