

Product Datasheet

MMAB Antibody - BSA Free

NBP1-86602

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NBP1-86602

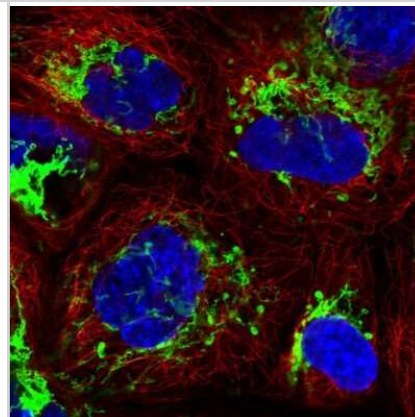
MMAB Antibody - BSA Free

Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
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	Affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol
Target Molecular Weight	27 kDa
Product Description	
Description	Novus Biologicals Rabbit MMAB Antibody - BSA Free (NBP1-86602) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-MMAB Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	326625
Gene Symbol	MMAB
Species	Human
Reactivity Notes	Immunogen displays the following percentage of sequence identity for non-tested species: Mouse (84%), Rat (84%).
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: AFILPSGGKISSALHFCRAVCRRRAERRVPLVQMGETDANVAKFLNRLSDYLFT LARYAAMKEGNQEKIYMKNDPSAESEGL
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:500 - 1:1000, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:500 - 1:1000
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: Use PFA/Triton X-100.

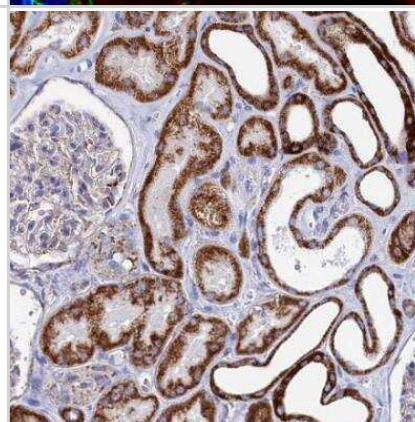


Images

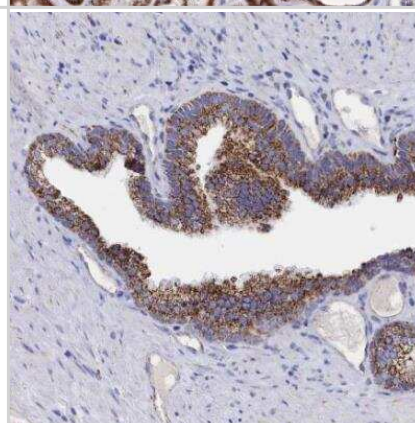
Immunocytochemistry/Immunofluorescence: MMAB Antibody [NBP1-86602] - Immunofluorescent staining of human cell line A-431 shows localization to mitochondria.



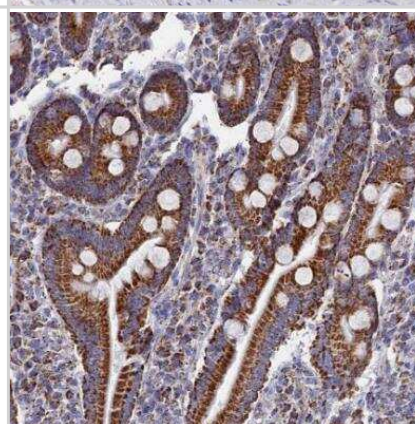
Immunohistochemistry-Paraffin: MMAB Antibody [NBP1-86602] - Staining of human kidney shows strong granular cytoplasmic positivity in cells in tubules.



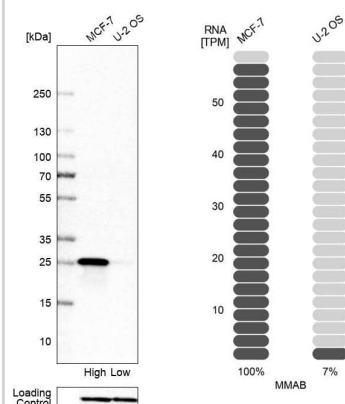
Immunohistochemistry-Paraffin: MMAB Antibody [NBP1-86602] - Staining of human prostate shows strong granular cytoplasmic positivity in glandular cells.



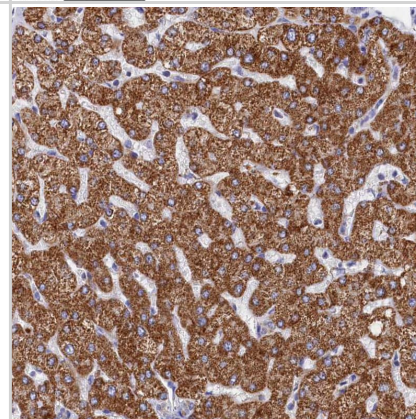
Immunohistochemistry-Paraffin: MMAB Antibody [NBP1-86602] - Staining of human duodenum shows strong granular cytoplasmic positivity in glandular cells.



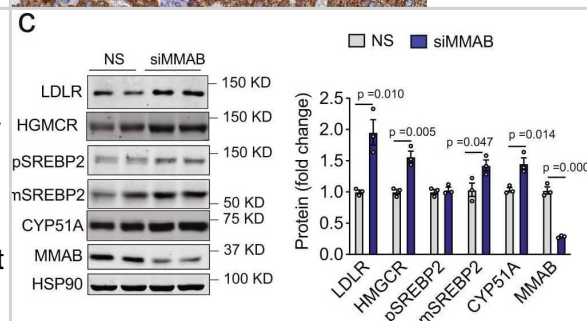
Analysis in human cell line MCF-7 and human cell line U-2 OS.



Staining of human liver shows strong granular cytoplasmic positivity in hepatocytes.



Knockdown of MMAB increases LDLR expression and activity and decreases cholesterol biosynthesis in vitro. a Representative images of DiI-LDL uptake in Huh7 cells transfected with a non-silencing siRNA (NS) or siRNA MMAB (siMMAB) and incubated with 30 μ g/ml DiI-LDL for 8 h at 37 C. Red, DiI-LDL; blue, nuclei stained with TO-PRO-3 iodide (TOPRO). Scale bar, 10 μ m. Flow cytometry analysis of DiI-LDL specific binding and uptake in Huh7 cells transfected with NS siRNA or siMMAB and incubated with 30 μ g/ml DiI-LDL for 8 h at 37 C (uptake) or 90 min at 4 C (binding) is shown below. Data are mean \pm s.e.m. of three independent experiments. Statistical comparisons by two-sided unpaired Student's t test. b, c qRT-PCR (b) and Western analysis (c) of SREBP2-responsive genes in Huh7 cells transfected with an NS control siRNA or siMMAB. HSP90 was used as a loading control. Quantification compared to HSP90 is shown in panel (c). Data are mean \pm s.e.m. of three (c) or four (b) independent experiments in duplicate. Statistical comparisons by two-sided unpaired Student's t test. d Sterol content of Huh7 cells transfected with NS siRNA or siMMAB. Lipids were extracted and analyzed by GC-MS. "Total sterols" were calculated as the sum of all sterols that could be detected. Data are mean \pm s.e.m. of three independent experiments. Statistical comparisons by two-sided unpaired Student's t test. e Effect of MMAB knockdown on [1,2- 14 C]-acetate incorporation into cholesterol as determined by HPLC. Huh7 cells were treated as in (d). Data are representative of three independent experiments. Source data are provided as a Source Data file. Image collected and cropped by CiteAb from the following open publication (<https://pubmed.ncbi.nlm.nih.gov/34750386>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

Goedeke L, Canfran-Duque A, Rotllan N Et al. MMAB promotes negative feedback control of cholesterol homeostasis Nature communications 2021-11-08 [PMID: 34750386] (WB, Human)



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Products Related to NBP1-86602

NBP1-86602PEP	MMAB Recombinant Protein Antigen
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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