

# Product Datasheet

## MDH2 Antibody - BSA Free

### NBP1-86036

Unit Size: 0.1 ml

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

[www.novusbio.com](http://www.novusbio.com)



[technical@novusbio.com](mailto:technical@novusbio.com)

#### Publications: 2

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**NBP1-86036**

MDH2 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	Immunogen affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol

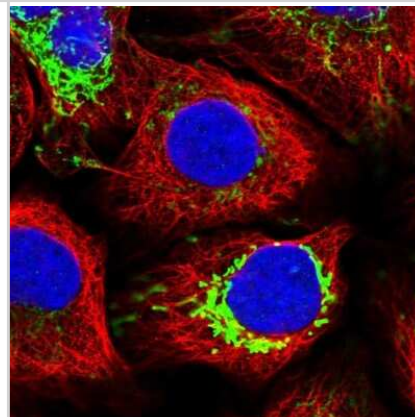
Product Description	
Description	Novus Biologicals Rabbit MDH2 Antibody - BSA Free (NBP1-86036) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-MDH2 Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	4191
Gene Symbol	MDH2
Species	Human, Mouse, Rat
Reactivity Notes	Reactivity reported in scientific literature (PMID: 23334578)
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: VTTLDIVRANTFVAELKGLDPARVNVPVIGGHAGKTIIP LISQCTPKVD FPDQDLT ALTGRIQEAGTEVVKAKAGAGSATLSM

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Knockdown Validated
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:200 - 1:500, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:200 - 1:500, Knockdown Validated
Application Notes	WB reported in scientific literature (PMID: 25763823). For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: Use PFA/Triton X-100.

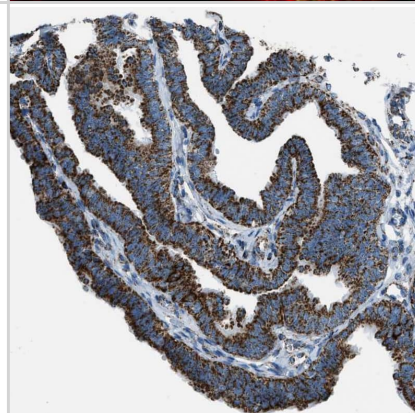


## Images

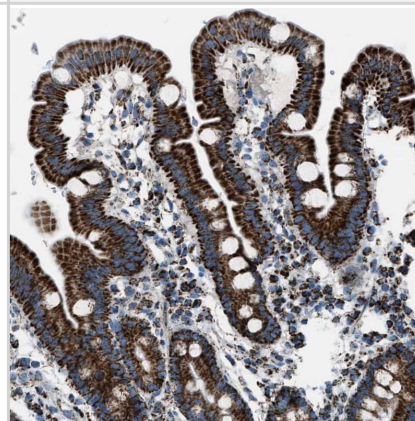
Immunocytochemistry/Immunofluorescence: MDH2 Antibody [NBP1-86036] - Staining of human cell line U-2 OS shows localization to mitochondria. Antibody staining is shown in green.



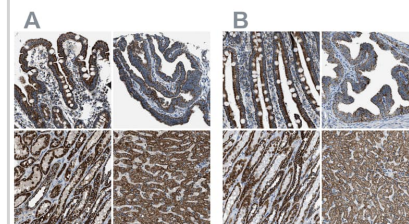
Staining of human fallopian tube shows strong positivity in cytoplasm granular in cells in tubules.



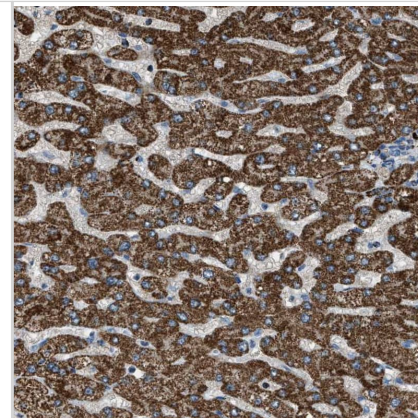
Staining of human duodenum shows strong positivity in cytoplasm granular in glandular cells.



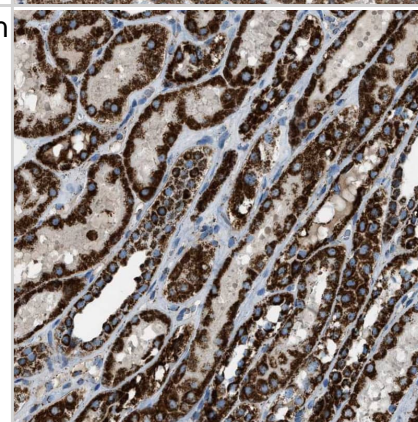
Staining of human duodenum, fallopian tube, kidney and liver using Anti-MDH2 antibody NBP1-86036 (A) shows similar protein distribution across tissues to independent antibody NBP1-89540 (B).



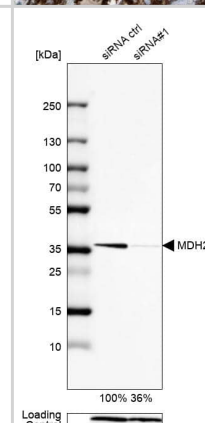
Staining of human liver shows strong positivity in cytoplasm granular in hepatocytes.



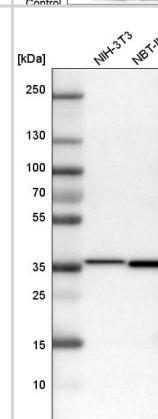
Staining of human kidney shows strong positivity in cytoplasm granular in cells in tubules.



Analysis in HEK293 cells transfected with control siRNA, target specific siRNA probe #1, using Anti-MDH2 antibody. Remaining relative intensity is presented. Loading control: Anti-PPIB.



Analysis in mouse cell line NIH-3T3 and rat cell line NBT-II.



## Publications

Rzem R, Achouri Y, Marbaix E et al. A Mouse Model of L-2-Hydroxyglutaric Aciduria, a Disorder of Metabolite Repair. PLoS One 2015-01-01 [PMID: 25763823] (WB, Mouse)

Shin JB, Krey JF, Hassan A et al. Molecular Architecture of the Chick Vestibular Hair Bundle. Nat Neurosci 2013-03-01 [PMID: 23334578]



### **Novus Biologicals USA**

10730 E. Briarwood Avenue  
Centennial, CO 80112  
USA

Phone: 303.730.1950

Toll Free: 1.888.506.6887

Fax: 303.730.1966

[nb-customerservice@bio-techne.com](mailto:nb-customerservice@bio-techne.com)

### **Bio-Techne Canada**

21 Canmotor Ave  
Toronto, ON M8Z 4E6  
Canada

Phone: 905.827.6400

Toll Free: 855.668.8722

Fax: 905.827.6402

[canada.inquires@bio-techne.com](mailto:canada.inquires@bio-techne.com)

### **Bio-Techne Ltd**

19 Barton Lane  
Abingdon Science Park  
Abingdon, OX14 3NB, United Kingdom

Phone: (44) (0) 1235 529449

Free Phone: 0800 37 34 15

Fax: (44) (0) 1235 533420

[info.EMEA@bio-techne.com](mailto:info.EMEA@bio-techne.com)

### **General Contact Information**

[www.novusbio.com](http://www.novusbio.com)

Technical Support: [nb-technical@bio-techne.com](mailto:nb-technical@bio-techne.com)

Orders: [nb-customerservice@bio-techne.com](mailto:nb-customerservice@bio-techne.com)

General: [novus@novusbio.com](mailto:novus@novusbio.com)

### **Products Related to NBP1-86036**

NBP1-86036PEP	MDH2 Recombinant Protein Antigen
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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