

# Product Datasheet

## MDH2 Antibody NBP1-32259

Unit Size: 0.1 ml

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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



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

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Updated 3/27/2025 v.20.1

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**NBP1-32259**

## MDH2 Antibody

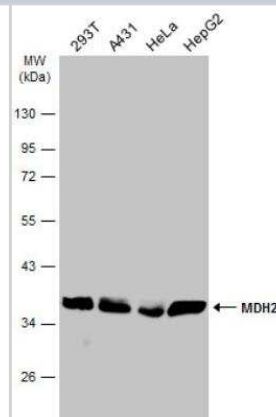
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.025% Proclin 300
Isotype	IgG
Purity	Antigen Affinity-purified
Buffer	PBS, 1% BSA, 20% Glycerol
Target Molecular Weight	36 kDa

Product Description	
Host	Rabbit
Gene ID	4191
Gene Symbol	MDH2
Species	Human, Mouse, Rat
Reactivity Notes	Xenopus laevis (91%), Cat (95%).
Immunogen	Recombinant protein encompassing a sequence within the center region of human MDH2. The exact sequence is proprietary.

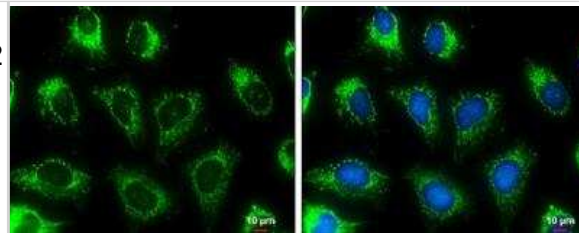
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Knockout Validated
Recommended Dilutions	Western Blot 1:500-1:20000, Immunohistochemistry 1:100-1:1000, Immunocytochemistry/ Immunofluorescence 1:100-1:1000, Immunohistochemistry-Paraffin 1:100-1:1000, Knockout Validated

**Images**

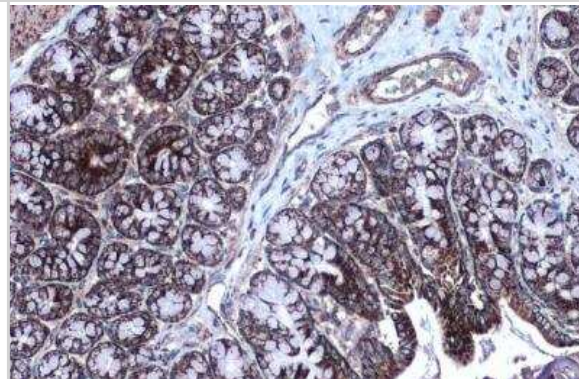
Western Blot: MDH2 Antibody [NBP1-32259] - Various whole cell extracts (30 ug) were separated by 10% SDS-PAGE, and the membrane was blotted with MDH2 antibody diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody (NBP2-19301) was used to detect the primary antibody.



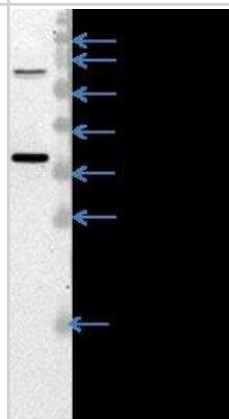
Immunocytochemistry/Immunofluorescence: MDH2 Antibody [NBP1-32259] - HeLa cells were fixed in ice-cold MeOH for 5 min. Green: MDH2 stained by MDH2 antibody diluted at 1:500. Blue: Hoechst 33342 staining. Scale bar= 10um.



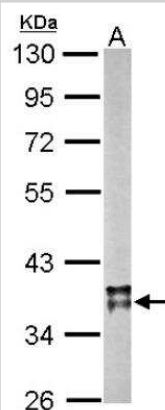
Immunohistochemistry-Paraffin: MDH2 Antibody [NBP1-32259] - Rat colon. MDH2 stained by MDH2 antibody diluted at 1:500. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min.



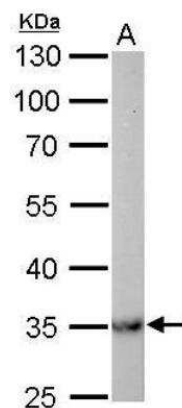
Western Blot: MDH2 Antibody [NBP1-32259] - Analysis of MDH2 in HeLa whole cell lysate. Image courtesy of an anonymous customer product review.



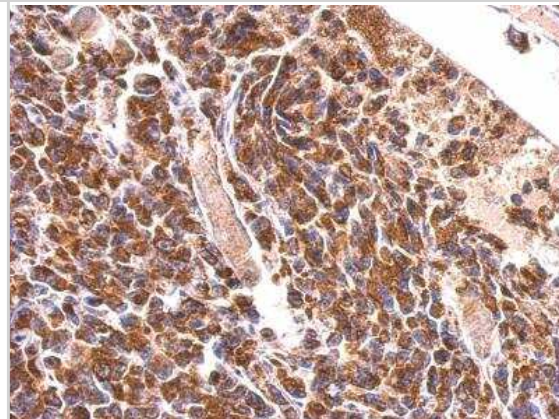
Western Blot: MDH2 Antibody [NBP1-32259] - Sample (20 ug of whole cell lysate) A: mouse brain 10% SDS PAGE diluted at 1:10000



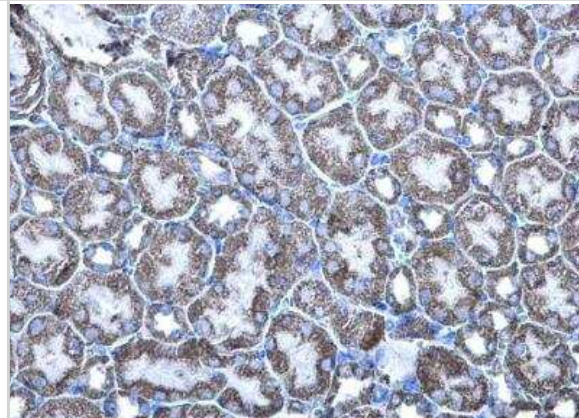
Western Blot: MDH2 Antibody [NBP1-32259] - A. 50 ug rat lung lysate/extract 10 % SDS-PAGE MDH2 antibody dilution: 1:5000



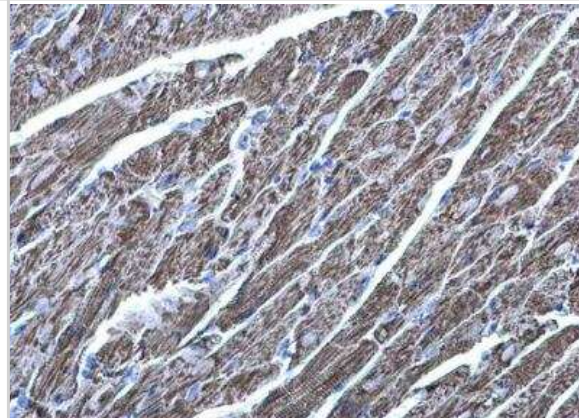
Immunohistochemistry-Paraffin: MDH2 Antibody [NBP1-32259] - H1299 xenograft. MDH2 antibody dilution: 1:500. Antigen Retrieval: Trilogy™ (EDTA based, pH 8.0) buffer, 15min.



Immunohistochemistry-Paraffin: MDH2 Antibody [NBP1-32259] - Mouse heart. MDH2 antibody diluted at 1:500. Antigen Retrieval: Trilogy™ (EDTA based, pH 8.0) buffer, 15min.

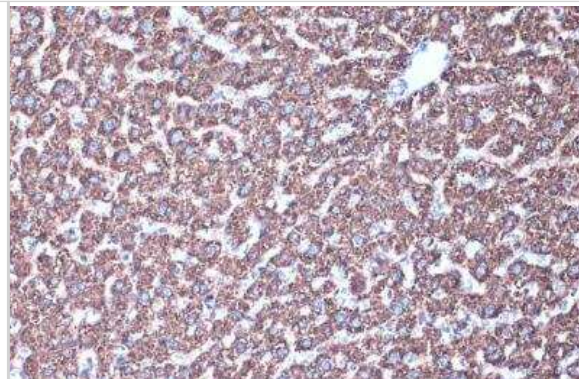


Immunohistochemistry-Paraffin: MDH2 Antibody [NBP1-32259] - Mouse heart. MDH2 antibody diluted at 1:500. Antigen Retrieval: Trilogy™ (EDTA based, pH 8.0) buffer, 15min.

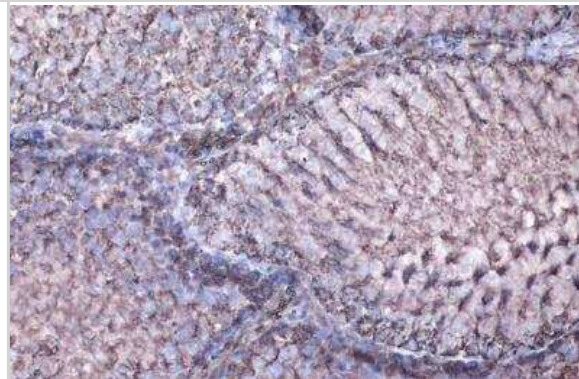




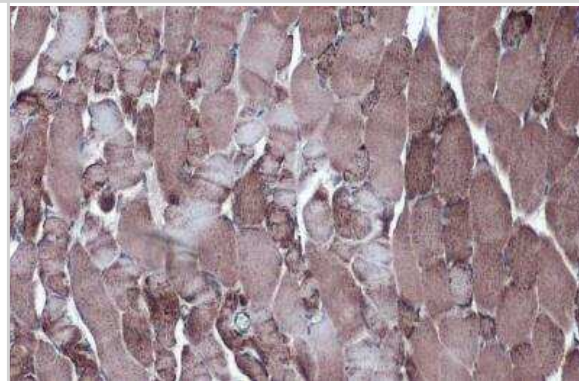
Immunohistochemistry-Paraffin: MDH2 Antibody [NBP1-32259] - Rat liver. MDH2 stained by MDH2 antibody diluted at 1:1000. Antigen Retrieval: Tris-EDTA buffer, pH 9.0, 15 min.



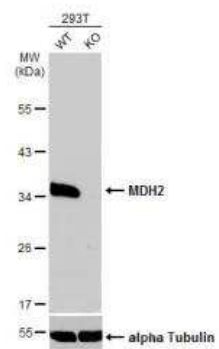
Immunohistochemistry-Paraffin: MDH2 Antibody [NBP1-32259] - Rat testis. MDH2 stained by MDH2 antibody diluted at 1:1000. Antigen Retrieval: Tris-EDTA buffer, pH 9.0, 15 min.



Immunohistochemistry-Paraffin: MDH2 Antibody [NBP1-32259] - Mouse testis. MDH2 stained by MDH2 antibody diluted at 1:500. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min.



Western Blot: MDH2 Antibody [NBP1-32259] - Wild-type (WT) and MDH2 knockout (KO) 293T cell extracts (30 ug) were separated by 10% SDS-PAGE, and the membrane was blotted with MDH2 antibody diluted at 1:1000. HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



## Publications

Tai YH, Engels D, Locatelli G et al. Targeting the TCA cycle can ameliorate widespread axonal energy deficiency in neuroinflammatory lesions *Nature Metabolism* 2023-07-10 [PMID: 37430025] (In vivo assay)

Tai Y, Engels D, Locatelli G et al. Targeting the TCA cycle can ameliorate widespread axonal energy deficiency in neuroinflammatory lesions *bioRxiv* 2023-04-04 (IHC, Mouse)

Details:

Dilutions: 1:400





### 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

### 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

### 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

### General Contact Information

www.novusbio.com  
Technical Support: nb-technical@bio-techne.com  
Orders: nb-customerservice@bio-techne.com  
General: novus@novusbio.com

### Products Related to NBP1-32259

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HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP1-48325-0.05mg	Recombinant Human MDH2 His Protein

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### 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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