

Product Datasheet

IMP Dehydrogenase 2/IMPDH2 Antibody - BSA Free NBP1-86177

Unit Size: 0.1 ml

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

www.novusbio.com



technical@novusbio.com

Publications: 4

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/NBP1-86177

Updated 2/21/2025 v.20.1

Earn rewards for product
reviews and publications.

Submit a publication at www.novusbio.com/publications

Submit a review at www.novusbio.com/reviews/destination/NBP1-86177



NBP1-86177**IMP Dehydrogenase 2/IMPDH2 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
Target Molecular Weight	56 kDa
Product Description	
Host	Rabbit
Gene ID	3615
Gene Symbol	IMPDH2
Species	Human
Reactivity Notes	Human reactivity reported in scientific literature (PMID: 24139804).
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: GFITDPVVLSPKDRVRDVFEAKARHGFCGIPITDTGRMGSRVLVGISSRDIDFLK EEEHDCFLEEIMTKREDLVVAPAGITLKEANEILQRSKKGKLPVNEDELVAIIA RTDLKKNRDYPLASKD
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Knockdown Validated
Recommended Dilutions	Western Blot 0.04 - 0.4 ug/ml, Immunohistochemistry 1:500 - 1:1000, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:200-1:500, Knockdown Validated
Application Notes	IHC reported in scientific literature (PMID: 24139804). For IHC-Paraffin, HIER pH 6 retrieval is recommended. Immunocytochemistry/Immunofluorescence Fixation Permeabilization: Use PFA/Triton X-100.

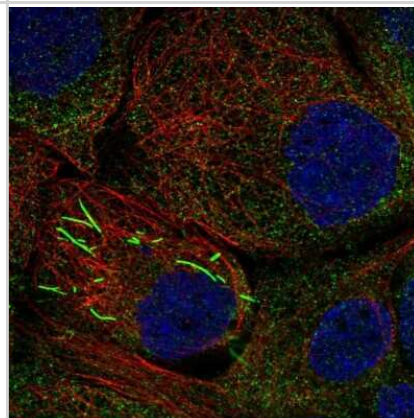


Images

Western Blot: IMP Dehydrogenase 2/IMPDH2 Antibody [NBP1-86177] - Analysis in U-251MG cells transfected with control siRNA, target specific siRNA probe #1, using Anti-IMPDH2 antibody. Remaining relative intensity is presented. Loading control: Anti-PPIB



Immunocytochemistry/Immunofluorescence: IMP Dehydrogenase 2/IMPDH2 Antibody [NBP1-86177] - Staining of human cell line A-431 shows localization to cytosol & rods & rings.



Immunohistochemistry-Paraffin: IMP Dehydrogenase 2/IMPDH2 Antibody [NBP1-86177] - Staining of human breast shows moderate cytoplasmic and nuclear positivity in glandular cells.



Publications

Barfeld SJ, Fazli L, Persson M et al. Myc-dependent purine biosynthesis affects nucleolar stress and therapy response in prostate cancer. *Oncotarget* 2015-05-20 [PMID: 25869206] (WB, Human)

Wawrzyniak JA, Bianchi-Smiraglia A, Bshara W et al. A Purine Nucleotide Biosynthesis Enzyme Guanosine Monophosphate Reductase is a Suppressor of Melanoma Invasion. *Cell Rep* 2013-10-31 [PMID: 24139804] (IF/IHC, Human)

Floryk D, Thompson TC et al. Antiproliferative effects of AVN944, a novel inosine 5-monophosphate dehydrogenase inhibitor, in prostate cancer cells. *Int J Cancer* 2008-11-01 [PMID: 18712736]

Mannava S, Grachtchouk V, Wheeler LJ et al. Direct role of nucleotide metabolism in C-MYC-dependent proliferation of melanoma cells. *Cell Cycle* 2008-06-03 [PMID: 18677108]



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 NBP1-86177

NBP1-86177PEP	IMP Dehydrogenase 2/IMPDH2 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.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

Earn gift cards/discounts by submitting a review: www.novusbio.com/reviews/submit/NBP1-86177

Earn gift cards/discounts by submitting a publication using this product:
www.novusbio.com/publications

