

# 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.

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### Publications: 4

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

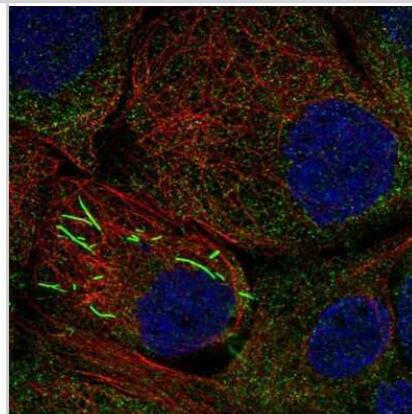
<b>Product Information</b>	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.02% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Immunogen affinity purified
<b>Buffer</b>	PBS (pH 7.2) and 40% Glycerol
<b>Target Molecular Weight</b>	56 kDa
<b>Product Description</b>	
<b>Host</b>	Rabbit
<b>Gene ID</b>	3615
<b>Gene Symbol</b>	IMPDH2
<b>Species</b>	Human
<b>Reactivity Notes</b>	Human reactivity reported in scientific literature (PMID: 24139804).
<b>Immunogen</b>	This antibody was developed against Recombinant Protein corresponding to amino acids: GFITDPVVLSPKDRVRDVFEAKARHGFCGIPITDTGRMGSRVLVGISSRDIDFLK EEEHDCFLEEIMTKREDLVVAPAGITLKEANEILQRSKKGKLPVNEDELVAIIA RTDLKKNRDYPLASKD
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Knockdown Validated
<b>Recommended Dilutions</b>	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
<b>Application Notes</b>	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]



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### **Products Related to NBP1-86177**

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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

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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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