

Datasheet for ABIN2785673  
**anti-IMPDH2 antibody (N-Term)**



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2 Images

## Overview

Quantity:	100 µL
Target:	IMPDH2
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Rabbit, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This IMPDH2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

## Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human IMPDH2
Sequence:	MADYLISGGT SYVPDDGLTA QQLFNCGDGL TYNDFLILPG YIDFTADQVD
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Zebrafish: 86%
Characteristics:	This is a rabbit polyclonal antibody against IMPDH2. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

## Target Details

Target:	IMPDH2
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## Target Details

Alternative Name:	IMPDH2 ( <a href="#">IMPDH2 Products</a> )
Background:	<p>IMPDH2 is the rate-limiting enzyme in the de novo guanine nucleotide biosynthesis. It is thus involved in maintaining cellular guanine deoxy- and ribonucleotide pools needed for DNA and RNA synthesis. It catalyzes the NAD-dependent oxidation of inosine-5'-monophosphate into xanthine-5'-monophosphate, which is then converted into guanosine-5'-monophosphate.</p> <p>IMPDH2 is up-regulated in some neoplasms, suggesting it may play a role in malignant transformation.</p> <p>Alias Symbols: IMPD2, IMPDH-II</p> <p>Protein Interaction Partner: RSG1, APIP, HUWE1, UBC, IMPDH2, CDK2, RPA1, RPA3, RPA2, PRKAR2A, IMPDH1, EIF2S3, PARK2, MAPK10, SOX2, NPM1, PEX14, FN1, RPLP0P6, RPS6, RPL15, FOLR1, FBXO6, GRB2, UBQLN4, PIAS4, COPS5, COPS6, CUL3, YWHAZ, FBXO25, SIRT7, HDAC5, MME, SUMO4, AKT1, IKBKE, ATG5</p> <p>Protein Size: 514</p>
Molecular Weight:	56 kDa
Gene ID:	3615
NCBI Accession:	<a href="#">NM_000884</a> , <a href="#">NP_000875</a>
UniProt:	<a href="#">P12268</a>
Pathways:	<a href="#">Ribonucleoside Biosynthetic Process</a> , <a href="#">SARS-CoV-2 Protein Interactome</a>

## Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 514 AA
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

Handling

	should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



**Western Blotting**

**Image 1. WB Suggested Anti-IMPDH2 Antibody Titration:**  
0.2-1 ug/ml  
**ELISA Titer:** 1:312500  
**Positive Control:** 721\_B cell lysate

**Western Blotting**

**Image 2. WB Suggested Anti-IMPDH2**  
Antibody Titration: 0.2-1 µg/mL ELISA Titer: 1:12500  
Positive Control: 21\_B cell lysate  
IMPDH2 is supported by BioGPS gene expression data to be expressed in 721\_B