

Rabbit IMPDH2 Polyclonal Antibody | anti-IMPDH2 antibody

IMPDH2 antibody - N-terminal region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA200364	Rabbit	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Zebrafish	Western Blot, Immunohistochemistry

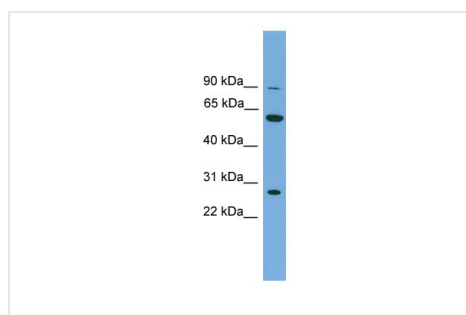
PRODUCT SYNONYMS

IMPDH2; Polyclonal Antibody; IMPDH2 antibody - N-terminal region; anti-IMPDH2 antibody

PRODUCT SPECIFICATIONS

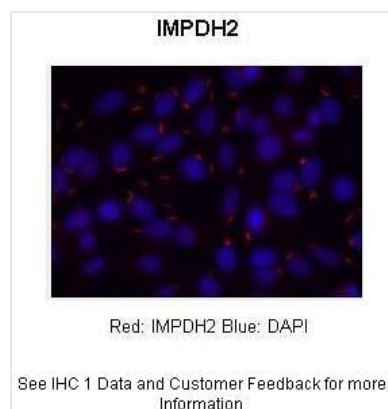
Host	Rabbit
Reactivity	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Zebrafish
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following region: MA DY LISGGTSY VPDDGLTAQQ LFNCGDGLTY NDFLILPGYI DFTADQVD
Sequence Length	514
Applicable Applications for anti-IMPDH2 antibody	WB (Western Blot), IHC (Immunohistochemistry)
Homology	Cow: 100%; Dog: 100%; Guinea Pig: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Rabbit: 100%; Rat: 100%; Zebrafish: 86%
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human IMPDH2
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)

WB Suggested Anti-IMPDH2 Antibody Titration: 0.2-1 ug/ml
 ELISA Titer: 1:312500
 Positive Control: 721_B cell lysate
 IMPDH2 is supported by BioGPS gene expression data to be expressed in 721_B



IHC (Immunohistochemistry)

Sample Type : Human Hep-2 cells
 Primary Antibody Dilution : 1:500
 Secondary Antibody : Goat anti-rabbit-Alexa Fluor 568
 Secondary Antibody Dilution : 1:400
 Color/Signal Descriptions : Red: IMPDH2 Blue: DAPI
 Gene Name : IMPDH2
 Submitted by : S. John Calise, Edward Chan Lab, University of Florida

ADDITIONAL INFORMATION

Related Product Information for anti-IMPDH2 antibody	This is a rabbit polyclonal antibody against IMPDH2. It was validated on Western Blot using a cell lysate as a positive control. Target Description: 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. IMPDH2 is up-regulated in some neoplasms, suggesting it may play a role in malignant transformation.
Product Categories/Family for anti-IMPDH2 antibody	Polyclonal ; Drugs and Drug Metabolism ; Cell Biology ; Chromatin & Nuclear Signaling ; Various ; Disease Related

NCBI AND UNIPROT INFORMATION

NCBI GI #	66933016
NCBI GeneID	3615
NCBI Accession #	NP_000875
NCBI GenBank Nucleotide #	NM_000884
UniProt Accession #	P12268
Molecular Weight	56
NCBI Official Full Name	inosine-5'-monophosphate dehydrogenase 2
NCBI Official Synonym Full Names	inosine monophosphate dehydrogenase 2
NCBI Official Symbol	IMPDH2
NCBI Official Synonym Symbols	IMPD2; IMPDH-II
NCBI Protein Information	inosine-5'-monophosphate dehydrogenase 2
UniProt Protein Name	Inosine-5'-monophosphate dehydrogenase 2
UniProt Gene Name	IMPDH2
UniProt Entry Name	IMDH2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/impdh2-antibody-western-blot-immunohistochemistry-elisa/200364>