

Rabbit IMPDH2 Polyclonal Antibody | anti-IMPDH2 antibody

IMPDH2 Antibody (Center)

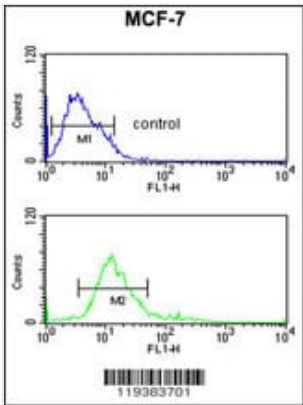
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA289491	Rabbit	Human (Predicted Reactivity: Bovine, Mouse, Rat, Hamster, Zebrafish)	Immunohistochemistry, Western Blot, ELISA, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

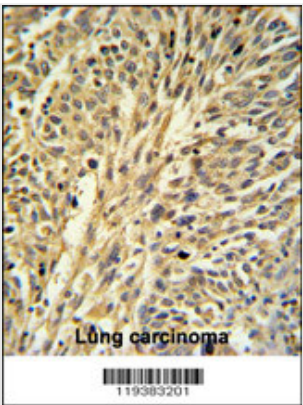
IMPDH2; Polyclonal Antibody; IMPDH2 Antibody (Center); Inosine-5'-monophosphate dehydrogenase 2 {ECO:0000255|HAMAP-Rule:MF_03156}; IMP dehydrogenase 2 {ECO:0000255|HAMAP-Rule:MF_03156}; IMPD 2 {ECO:0000255|HAMAP-Rule:MF_03156}; IMPDH 2 {ECO:0000255|HAMAP-Rule:MF_03156}; 111205 {ECO:0000255|HAMAP-Rule:MF_03156}; IMPDH-II; IMPDH2 {ECO:0000255|HAMAP-Rule:MF_03156}; IMPD2; anti-IMPDH2 antibody

PRODUCT SPECIFICATIONS

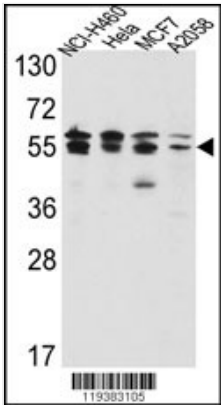
Host	Rabbit
Reactivity	Human (Predicted Reactivity: Bovine, Mouse, Rat, Hamster, Zebrafish)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This IMPDH2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 180-210 amino acids from the Central region of human IMPDH2.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	180-210
Sequence Length	514
Applicable Applications for anti-IMPDH2 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA, FCM/FACS (Flow Cytometry)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



FCM/FACS (Flow Cytometry)
IMPDH2 Antibody (Center) flow cytometric analysis of MCF-7 cells (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohistochemistry)
IMPDH2 Antibody (Center) IHC analysis in formalin fixed and paraffin embedded human Lung carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the IMPDH2 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
Western blot analysis of IMPDH2 Antibody (Center) in NCI-H460, Hela, MCF7, A2058 cell line lysates (35ug/lane). IMPDH2 (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-IMPDH2 antibody	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. The protein catalyzes the NAD-dependent oxidation of inosine-5'-monophosphate into xanthine-5'-monophosphate, which is then converted into guanosine-5'-monophosphate. Its gene is up-regulated in some neoplasms, suggesting it may play a role in malignant transformation.
Product Categories/Family for anti-IMPDH2 antibody	Cancer; Metabolism; Signal Transduction
References	Sombogaard,F., Pharmacogenet. Genomics 19 (8), 626-634 (2009) Mohamed,M.F., Genet. Test. 12 (4), 513-516 (2008)

NCBI AND UNIPROT INFORMATION

NCBI GI #	66933016
NCBI GeneID	3615
NCBI Accession #	NP_000875.2
NCBI GenBank Nucleotide #	NM_000884.2
UniProt Accession #	P12268; Q6LEF3

Molecular Weight	55805
NCBI Official Full Name	inosine-5'-monophosphate dehydrogenase 2
NCBI Official Synonym Full Names	IMP (inosine 5'-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 Synonym Gene Names	IMP dehydrogenase 2; IMPD 2; IMPDH 2
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-immunohistochemistry-western-blot-flow-cytometry-elisa/289491>