

Rabbit anti-Human IMPDH1 Polyclonal Antibody | anti-IMPDH1 antibody

IMPDH1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA234811	Rabbit	Human	Immunofluorescence, Immunohistochemistry, ELISA

PRODUCT SYNONYMS

IMPDH1; Polyclonal Antibody; IMPDH1 Antibody; Inosine-5'-monophosphate dehydrogenase 1; IMPDH-I; anti-IMPDH1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%, Protein G purified
Form/Format	Liquid
Sequence Length	599
Applicable Applications for anti-IMPDH1 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), ELISA
Immunogen	Recombinant Human Inosine-5'-monophosphate dehydrogenase 1 protein (191-281AA)
Conjugation	Non-conjugated
Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, pH 7.4
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



IHC (Immunohistochemistry)

Immunofluorescence staining of Hela cells with AAA234811 at 1:200, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4 degree C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG (H+L).



IHC (Immunohistochemistry)

IHC image of AAA234811 diluted at 1:600 and staining in paraffin-embedded human pancreatic tissue performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4 degree C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



IHC (Immunohistochemistry)

IHC image of AAA234811 diluted at 1:600 and staining in paraffin-embedded human lung cancer performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4 degree C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.

ADDITIONAL INFORMATION

Related Product Information for anti-IMPDH1 antibody	Catalyzes the conversion of inosine 5'-phosphate (IMP) to xanthosine 5'-phosphate (XMP), the first committed and rate-limiting step in the de novo synthesis of guanine nucleotides, and therefore plays an important role in the regulation of cell growth. Could also have a single-stranded nucleic acid-binding activity and could play a role in RNA and/or DNA metabolism. It may also have a role in the development of malignancy and the growth progression of some tumors.
Product Categories/Family for anti-IMPDH1 antibody	Epigenetics and Nuclear Signaling; Neuroscience; Cancer; Metabolism; Signal transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	34328930
NCBI GeneID	3614
NCBI Accession #	NP_000874.2
NCBI GenBank Nucleotide #	NM_000883.3
UniProt Accession #	P20839; Q8N194; Q96NU2; A4D0Z6; A4D0Z7; A6NDW5; A6NNI6; B3KNP7; B3KVM8; B4DE09; C9JV30; J3KNX8
Molecular Weight	60,898 Da
NCBI Official Full Name	inosine-5'-monophosphate dehydrogenase 1 isoform a
NCBI Official Synonym Full Names	inosine monophosphate dehydrogenase 1
NCBI Official Symbol	IMPDH1
NCBI Official Synonym Symbols	IMPD; RP10; IMPD1; LCA11; IMPDH-I; sWSS2608
NCBI Protein Information	inosine-5'-monophosphate dehydrogenase 1
UniProt Protein Name	Inosine-5'-monophosphate dehydrogenase 1
UniProt Gene Name	IMPDH1
UniProt Synonym Gene Names	IMP dehydrogenase 1; IMPD 1; IMPDH 1

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/impdh1-antibody-immunofluorescence-immunohistochemistry-elisa/234811>