

Rabbit IMPDH1 Polyclonal Antibody | anti-IMPDH1 antibody

IMPDH1 Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA286730	Rabbit	Human (Predicted Reactivity: Bovine, Mouse, Rat)	Immunohistochemistry, Immunofluorescence, ELISA, Western Blot

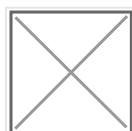
PRODUCT SYNONYMS

IMPDH1; Polyclonal Antibody; IMPDH1 Antibody (C-term); Inosine-5'-monophosphate dehydrogenase 1 {ECO:0000255|HAMAP-Rule:MF_03156}; IMP dehydrogenase 1 {ECO:0000255|HAMAP-Rule:MF_03156}; IMPD 1 {ECO:0000255|HAMAP-Rule:MF_03156}; IMPDH 1 {ECO:0000255|HAMAP-Rule:MF_03156}; 111205 {ECO:0000255|HAMAP-Rule:MF_03156}; IMPDH-I; IMPDH1 {ECO:0000255|HAMAP-Rule:MF_03156}; IMPD1; anti-IMPDH1 antibody

PRODUCT SPECIFICATIONS

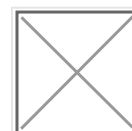
Host	Rabbit
Reactivity	Human (Predicted Reactivity: Bovine, Mouse, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This IMPDH1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 487-514 amino acids from the C-terminal region of human IMPDH1.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.43 (varies by lot)
Sequence Positions	487-514
Sequence Length	566
Applicable Applications for anti-IMPDH1 antibody	IHC (Immunohistochemistry), IF (Immunofluorescence), ELISA, WB (Western Blot)
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.

IMAGES



IHC (Immunohistochemistry)

IMPDH1 Antibody (C-term) (AAA286730) immunohistochemistry analysis in formalin fixed and paraffin embedded human breast carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of IMPDH1 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



IF (Immunofluorescence)

Confocal immunofluorescent analysis of IMPDH1 Antibody (C-term) with Hela cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).



WB (Western Blot)

IMPDH1 Antibody (C-term) western blot analysis in 293 cell line lysates (35ug/lane). This demonstrates the IMPDH1 antibody detected the IMPDH1 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-IMPDH1 antibody	The protein encoded by this gene acts as a homotetramer to regulate cell growth. The encoded protein is an enzyme that catalyzes the synthesis of xanthine monophosphate (XMP) from inosine-5'-monophosphate (IMP). This is the rate-limiting step in the de novo synthesis of guanine nucleotides. Defects in this gene are a cause of retinitis pigmentosa type 10 (RP10). Several transcript variants encoding different isoforms have been found for this gene.
Product Categories/Family for anti-IMPDH1 antibody	Metabolism; Neuroscience; Signal Transduction
References	Ohmann, E.L., et al. Pediatr Transplant 14(7):891-895(2010) Gensburger, O., et al. Pharmacogenet. Genomics 20(9):537-543(2010) Kagaya, H., et al. Basic Clin. Pharmacol. Toxicol. 107(2):631-636(2010) Ohmann, E.L., et al. J. Heart Lung Transplant. 29(5):509-516(2010) Shumei, L., et al. Adv. Exp. Med. Biol. 664, 293-297 (2010) :

NCBI AND UNIPROT INFORMATION

NCBI GI #	34328930
NCBI GeneID	3614
NCBI Accession #	NP_000874.2; NP_001096075.1; NP_001136045.1; NP_001136046.1; NP_001136047.1; NP_001136048.1; NP_899066.1
NCBI GenBank Nucleotide #	NM_000883.3
UniProt Accession #	P20839; Q8N194; Q96NU2; A4D0Z6; A4D0Z7; A6NDW5; A6NNI6; B3KNP7; B3KVM8; B4DE09; C9JV30; J3KNX8
Molecular Weight	55406
NCBI Official Full Name	inosine-5'-monophosphate dehydrogenase 1 isoform a
NCBI Official Synonym Full Names	IMP (inosine 5'-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
UniProt Entry Name	IMDH1_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/impdh1-antibody-immunohistochemistry-immunofluorescence-western-blot-elisa/286730>