

Rabbit IMPDH1 Polyclonal Antibody | anti-IMPDH1 antibody

IMPDH1 antibody - middle region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA200363	Rabbit	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Yeast, Zebrafish	Western Blot, Immunohistochemistry

PRODUCT SYNONYMS

IMPDH1; Polyclonal Antibody; IMPDH1 antibody - middle region; anti-IMPDH1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Yeast, 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: KK GKLPVND CD ELVAIIARTD LKKNRDYPLA SKDSQKQLLC GAAVGTRE
Sequence Length	563
Applicable Applications for anti-IMPDH1 antibody	WB (Western Blot), IHC (Immunohistochemistry)
Homology	Cow: 100%; Dog: 100%; Guinea Pig: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Rabbit: 100%; Rat: 100%; Yeast: 79%; Zebrafish: 100%
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human IMPDH1
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-IMPDH1 Antibody Titration: 1 ug/ml
Positive Control: HeLa cell lysate
IMPDH1 is supported by BioGPS gene expression data to be expressed in HeLa



IHC (Immunohistochemistry)

Immunohistochemistry with Human Colon lysate tissue at an antibody concentration of 5.0ug/ml using anti-IMPDH1 antibody



IHC (Immunohistochemistry)

Human Pancreas

ADDITIONAL INFORMATION

Related Product Information for anti-IMPDH1 antibody	This is a rabbit polyclonal antibody against IMPDH1. It was validated on Western Blot using a cell lysate as a positive control. Target Description: IMPDH1 acts as a homotetramer to regulate cell growth. It 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).
Product Categories/Family for anti-IMPDH1 antibody	Polyclonal; Signal Proteins; Lymphocyte Signaling; Membrane Protein; Drugs and Drug Metabolism; Developmental Biology; Immunohistochemistry; Receptors

NCBI AND UNIPROT INFORMATION

NCBI GI #	34328928
NCBI GeneID	3614
NCBI Accession #	NP_899066
NCBI GenBank Nucleotide #	NM_183243
UniProt Accession #	P20839
Molecular Weight	62kDa
NCBI Official Full Name	inosine-5'-monophosphate dehydrogenase 1 isoform b
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 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-western-blot-immunohistochemistry-elisa/200363>