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Datasheet for ABIN7156289

anti-IMPDH1 antibody (AA 191-281)

3 Images

Overview

Quantity:	100 µg
Target:	IMPDH1
Binding Specificity:	AA 191-281
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This IMPDH1 antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant Human Inosine-5\'-monophosphate dehydrogenase 1 protein (191-281AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	IMPDH1
Alternative Name:	IMPDH1 (IMPDH1 Products)
Background:	Background: 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

Target Details

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.

Aliases: IMDH1_HUMAN antibody, IMP (inosine monophosphate) dehydrogenase 1 antibody, IMP dehydrogenase 1 antibody, IMPD 1 antibody, IMPD antibody, IMPD1 antibody, IMPDH 1 antibody, IMPDH I antibody, IMPDH-I antibody, Impdh1 antibody, Inosine 5' monophosphate dehydrogenase 1 antibody, Inosine monophosphate dehydrogenase 1 antibody, Inosine-5"-monophosphate dehydrogenase 1 antibody, LCA11 antibody, RP10 antibody, sWSS2608 antibody

UniProt: [P20839](#)

Pathways: [Ribonucleoside Biosynthetic Process](#)

Application Details

Application Notes: Recommended dilution: IHC:1:500-1:1000, IF:1:200-1:500,

Restrictions: For Research Use only

Handling

Format: Liquid

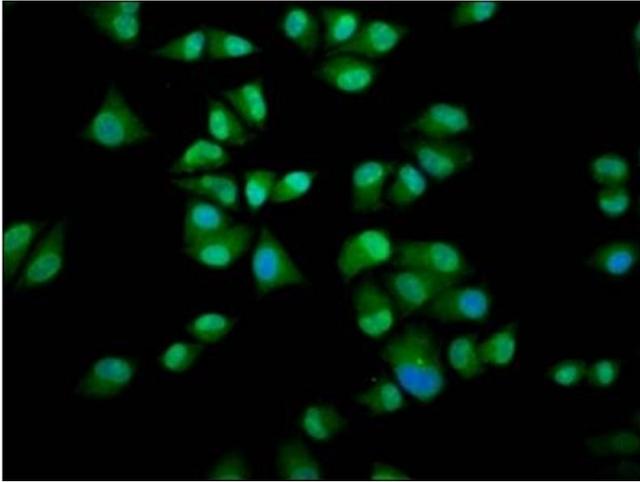
Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

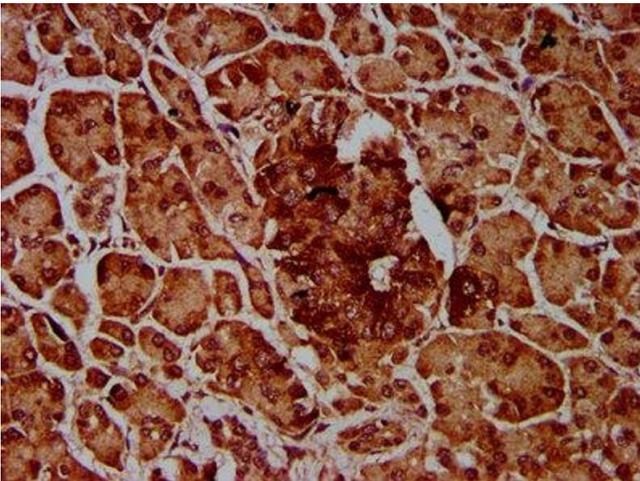
Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



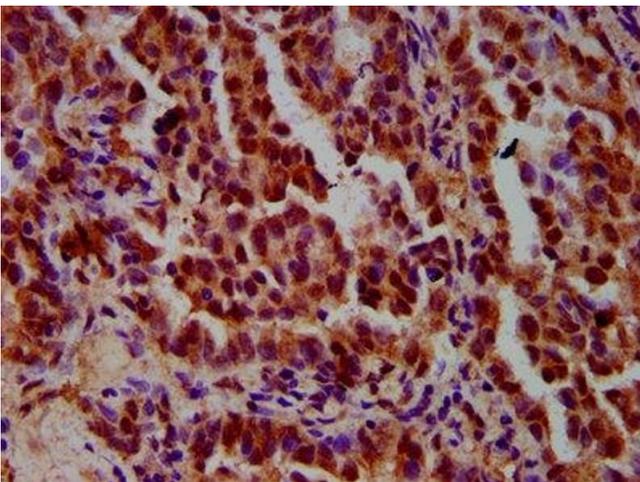
Immunofluorescence

Image 1. Immunofluorescence staining of HeLa cells with ABIN7156289 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°C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunohistochemistry

Image 2. IHC image of ABIN7156289 diluted at 1:600 and staining in paraffin-embedded human pancreatic tissue 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°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



Immunohistochemistry

Image 3. IHC image of ABIN7156289 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°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.