Datasheet for ABIN6741618

anti-IMPDH1 antibody (AA 254-303)

3 Images

Go to Product page

Overview

Quantity:	100 µL
Target:	IMPDH1
Binding Specificity:	AA 254-303
Reactivity:	Human, Mouse, Rat, Cow, Dog, Zebrafish (Danio rerio), Guinea Pig, Horse, Monkey, Pig, Xenopus laevis, Bat, Chicken, Hamster
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This IMPDH1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Brand:	IHC-plus™
Immunogen:	Synthetic peptide located between aa254-303 of human IMPDH1 (P20839, NP_899066). Percent identity by BLAST analysis: Human, Gorilla, Gibbon, Monkey, Galago, Marmoset, Mouse, Rat, Hamster, Elephant, Dog, Bovine, Bat, Horse, Pig, Opossum, Guinea pig, Turkey, Chicken, Platypus, Lizard, Xenopus, Salmon, Zebrafish (100%), Rabbit, Stickleback (92%), Toxoplasma (84%). Type of Immunogen: Synthetic peptide
Isotype:	IgG

Product Details

Specificity:	Human IMPDH1
Predicted Reactivity:	Percent identity by BLAST analysis: Human, Xenopus, Zebrafish (100%) Mouse, Dog, Rabbit, Horse, Pig, Guinea pig (92%).
Purification:	Immunoaffinity purified

Target Details

Target:	IMPDH1
Alternative Name:	IMPDH1 (IMPDH1 Products)
Background:	Name/Gene ID: IMPDH1 Synonyms: IMPDH1, IMP dehydrogenase 1, IMPD 1, IMPDH 1, IMPD1, LCA11, IMPD, IMPDH-I, SWSS2608, RP10
Gene ID:	3614
NCBI Accession:	NP_899066
UniProt:	P20839
Pathways:	Ribonucleoside Biosynthetic Process

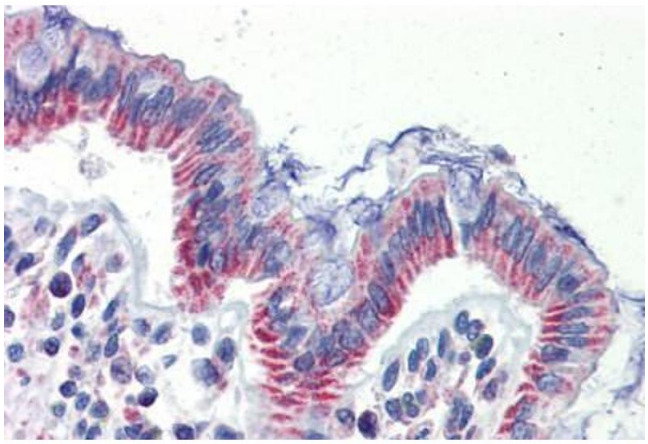
Application Details

Application Notes:	Approved: IHC, IHC-P (5 µg/mL), WB Usage: Immunohistochemistry: This antibody was validated for use in immunohistochemistry on a panel of 21 formalin-fixed, paraffin-embedded (FFPE) human tissues after heat induced antigen retrieval in pH 6.0 citrate buffer. After incubation with the primary antibody, slides were incubated with biotinylated secondary antibody, followed by alkaline phosphatase-streptavidin and chromogen. The stained slides were evaluated by a pathologist to confirm staining specificity. The optimal working concentration for this antibody was determined to be 5 µg/mL. ELISA titer using peptide based assay: 1:312500. Western Blot: Suggested dilution at 1 µg/mL in 5 % skim milk / PBS buffer, and HRP conjugated anti-Rabbit IgG should be diluted in 1:50000 - 100000 as second antibody.
Comment:	Target Species of Antibody: Human
Restrictions:	For Research Use only

Handling

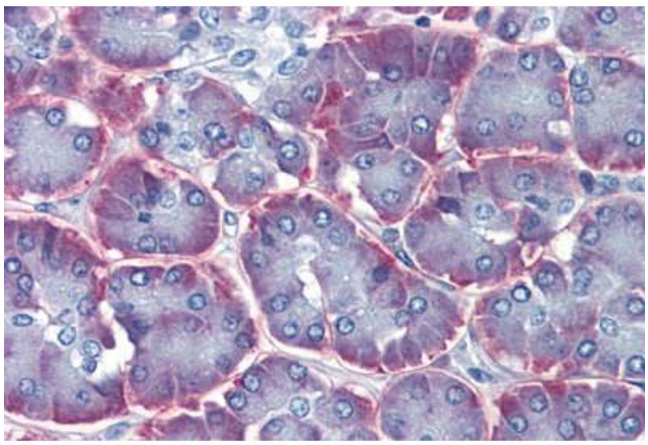
Format:	Lyophilized
Reconstitution:	Distilled Water.
Concentration:	Lot specific
Buffer:	Lyophilized from PBS with 2 % sucrose
Handling Advice:	Avoid repeat freeze-thaw cycles.
Storage:	4 °C,-20 °C
Storage Comment:	Long term: -20°C, the use of 50% glycerol is recommended if storing aliquots in -20°C for long term use (up to 1 year) Short term (less than 1 week): 4°C. Avoid freeze-thaw cycles.

Images



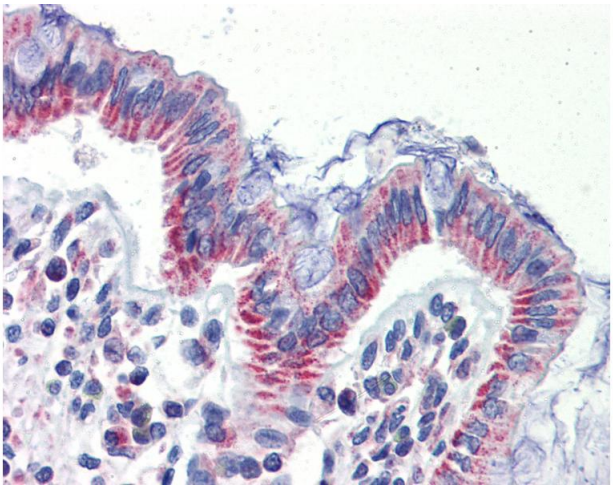
Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Human Colon (formalin-fixed, paraffin-embedded) stained with IMPDH1 antibody ABIN462258 followed by biotinylated goat anti-rabbit IgG secondary antibody ABIN481713, alkaline phosphatase-streptavidin and chromogen.



Immunohistochemistry (Paraffin-embedded Sections)

Image 2. Human Pancreas (formalin-fixed, paraffin-embedded) stained with IMPDH1 antibody ABIN462258 followed by biotinylated goat anti-rabbit IgG secondary antibody ABIN481713, alkaline phosphatase-streptavidin and chromogen.



Immunohistochemistry

Image 3. Anti-IMPDH1 antibody IHC of human colon. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 5 ug/ml. This image was taken for the unconjugated form of this product. Other for ...

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