Datasheet for ABIN2785672

anti-IMPDH1 antibody (C-Term)

1 Image

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Overview

Quantity:	100 µL
Target:	IMPDH1
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Zebrafish (Danio rerio), Rabbit, Saccharomyces cerevisiae
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This IMPDH1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the C-terminal region of IMPDH1
Sequence:	DGVRLKKYRG MGSLDAMEKS SSSQKRYFSE GDKVKIAQGV SGSIQDKGSI
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Yeast: 100%, Zebrafish: 100%
Characteristics:	This is a rabbit polyclonal antibody against IMPDH1. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	IMPDH1

Target Details

Alternative Name:	IMPDH1 (IMPDH1 Products)
Background:	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. Alias Symbols: DKFZp781N0678, IMPD, IMPD1, LCA11, RP10, sWSS2608 Protein Interaction Partner: UBC, LAMP2, IMPDH2, XRCC6, GMNN, HTRA1, DDX3X, SUMO4, Protein Size: 589
Molecular Weight:	63 kDa
Gene ID:	3614
NCBI Accession:	NM_001102605, NP_001096075
UniProt:	P20839
Pathways:	Ribonucleoside Biosynthetic Process

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 589 AA
Restrictions:	For Research Use only

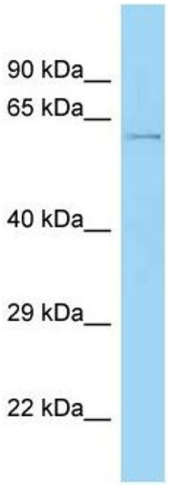
Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C

Handling

Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. WB Suggested Anti-IMPDH1 Antibody Titration: 1.0 ug/ml Positive Control: Hela Whole Cell IMPDH1 is supported by BioGPS gene expression data to be expressed in HeLa