

Datasheet for ABIN716461

anti-IMPDH1 antibody (AA 201-300) (Cy5.5)[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	IMPDH1
Binding Specificity:	AA 201-300
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This IMPDH1 antibody is conjugated to Cy5.5
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human IMPDH1
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Predicted Reactivity:	Dog,Cow,Pig,Rabbit,Guinea Pig
Purification:	Purified by Protein A.

Target Details

Target:	IMPDH1
Alternative Name:	IMPDH1 (IMPDH1 Products)

Target Details

Background:	Synonyms: IMDH1_HUMAN, IMP inosine monophosphate dehydrogenase 1, IMP dehydrogenase 1, IMPD 1, IMPD, IMPD1, IMPDH 1, IMPDH I, IMPDH-I, Impdh1, Inosine 5' monophosphate dehydrogenase 1, Inosine monophosphate dehydrogenase 1, Inosine-5"-monophosphate dehydrogenase 1, Inosine-5'-monophosphate dehydrogenase 1, LCA11, RP10. 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. [provided by RefSeq, Dec 2008].
Gene ID:	3614
Pathways:	Ribonucleoside Biosynthetic Process

Application Details

Application Notes:	IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.
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
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months