

IDI1 rabbit monoclonal antibody

Catalog # H00003422-K Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human IDI1 peptide using ARM Technology.
Immunogen	A synthetic peptide of human IDI1 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human IDI1 peptide by ELISA and mammalian transfected lysate by Western Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) ₂ , IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

Gene Info — IDI1

Entrez GeneID	3422
GeneBank Accession#	ID11
Gene Name	IDI1
Gene Alias	IPP1, IPP11
Gene Description	isopentenyl-diphosphate delta isomerase 1
Omim ID	604055
Gene Ontology	Hyperlink
Gene Summary	IDI1 encodes a peroxisomally-localized enzyme that catalyzes the interconversion of isopentenyl diphosphate (IPP) to its highly electrophilic isomer, dimethylallyl diphosphate (DMAPP), which are the substrates for the successive reaction that results in the synthesis of farnesyl diphosphate and, ultimately, cholesterol. It has been shown in peroxisomal deficiency diseases such as Zellweger syndrome and neonatal adrenoleukodystrophy that there is reduction in IPP isomerase activity. [provided by RefSeq]
Other Designations	IPP isomerase OTTHUMP00000018951 isopentenyl diphosphate dimethylallyl diphosphate isomerase 1 isopentenyl pyrophosphate isomerase 1 isopentenyl-diphosphate delta isomerase

Pathway

- [Biosynthesis of alkaloids derived from terpenoid and polyketide](#)
- [Biosynthesis of plant hormones](#)
- [Biosynthesis of terpenoids and steroids](#)
- [Metabolic pathways](#)
- [Terpenoid backbone biosynthesis](#)