

DNAxPAb

Hard-to-Find
Antibody

IDI1 DNAxPab

Catalog # H00003422-W01P

Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human IDI1 DNA using DNAx™ Immune technology.
Technology	DNAx™ Immune
Immunogen	Full-length human DNA
Sequence	MMPEINTNHLDKQQVQLLAEMCILIDENDNKIGAETKKNCHLNENIEKGLLHRAFSVFLFNTENKLL LQQRSDAKITFPGCFNTCCSHPLSNPAELEESDALGVRRAAQRRLKAELGIPLEEVPPPEEINYLT RIHYKAQSDGIWGEHEIDYILLVRKNVTLNPDNPNEIKSYCYVSKEELKELLKKAASGEIKITPWFKIAA TFLFKWWDNLNHLNQFVDHEKIYRM
Host	Rabbit
Reactivity	Human
Purification	Protein A
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)
- Flow Cytometry (Transfected cell)

Gene Info — IDI1

Entrez GeneID [3422](#)

GeneBank Accession# [BC005247.1](#)

Protein Accession# [AAH05247.1](#)

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](#)