

### **IDI1 Polyclonal Antibody**

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP58272

#### **Specification**

# **IDI1 Polyclonal Antibody - Product Information**

Application IHC-P, IHC-F, IF, E

Primary Accession Q13907

Reactivity
Host
Clonality
Polyclonal
Calculated MW
Rat, Pig, Bovine
Rabbit
Polyclonal

Clonality Polyclor
Calculated MW 26 KDa
Physical State Liquid

Immunogen KLH conjugated synthetic peptide derived

from human IDI1

Epitope Specificity 31-130/227

Isotype IgG
Purity

affinity purified by Protein A

Buffer 0.01M TBS (pH7.4) with 1% BSA, 0.02%

Proclin300 and 50% Glycerol.

SUBCELLULAR LOCATION Peroxisome.

SIMILARITY Belongs to the IPP isomerase type 1

family. Contains 1 nudix hydrolase domain.

SUBUNIT Monomer

Important Note

This product as supplied is intended for

research use only, not for use in human, therapeutic or diagnostic applications.

# **Background Descriptions**

IDI1 is a peroxisomally localized enzyme that catalyzes the interconversion of isopentenyl diphosphate (IPP) to its highly electrophilic isomer, dimethylallyl diphosphate (DMAPP). These are substrates for the reactions that ultimately result in the synthesis of cholesterol. There is reduction in IPP isomerase activity in peroxisomal deficiency diseases such as Zellweger syndrome and neonatal adrenoleukodystrophy.

### **IDI1 Polyclonal Antibody - Additional Information**

#### **Gene ID 3422**

### **Other Names**

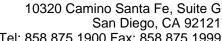
Isopentenyl-diphosphate Delta-isomerase 1, 5.3.3.2, Isopentenyl pyrophosphate isomerase 1, IPP isomerase 1, IPPI1, IDI1

#### **Dilution**

<span class ="dilution IHC-P">IHC-P~~N/A</span><br \><span class</pre>

="dilution\_IHC-F">IHC-F~~N/A</span><br \><span class

="dilution IF">IF $\sim$ 1:50 $\sim$ 200</span><br\><span class ="dilution E">E $\sim$ N/A</span>





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### **Storage**

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

### **IDI1 Polyclonal Antibody - Protein Information**

#### Name IDI1

#### **Function**

Catalyzes the 1,3-allylic rearrangement of the homoallylic substrate isopentenyl (IPP) to its highly electrophilic allylic isomer, dimethylallyl diphosphate (DMAPP).

#### **Cellular Location**

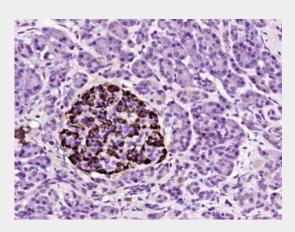
Peroxisome {ECO:0000250|UniProtKB:O35586}.

## **IDI1 Polyclonal Antibody - Protocols**

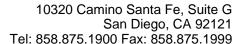
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

### **IDI1 Polyclonal Antibody - Images**



Paraformaldehyde-fixed, paraffin embedded (Human pancreatic cancer); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (IDI1) Polyclonal Antibody, Unconjugated (bs-5073R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.





Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (IDI1) Polyclonal Antibody, Unconjugated (bs-5073R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.