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IDI1 Rabbit pAb

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Catalog # AP58272

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q13907
Reactivity	Human, Mouse
Predicted	Rat, Pig, Rabbit
Host	Rabbit
Clonality	Polyclonal
Calculated MW	26319
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.
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.

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	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
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.

Protein Information

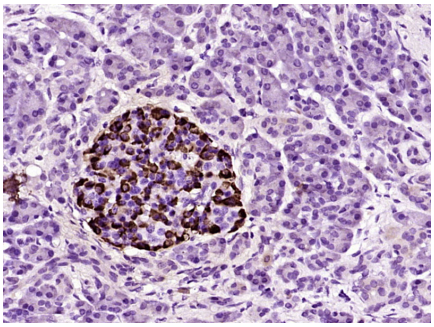
Name	IDI1

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}.

Background

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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 (AP58272) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.