ARG44437
anti-IDI1 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes IDI1
Tested Reactivity	Hu, Ms, Rat
Tested Application	FACS, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	IDI1
Species	Human
Immunogen	Human IDI1 recombinant protein
Conjugation	Un-conjugated
Alternate Names	IDI1; Isopentenyl-Diphosphate Delta Isomerase 1; Isopentenyl-Diphosphate Delta-Isomerase 1; Isopentenyl Pyrophosphate Isomerase 1; IPP Isomerase 1

Application Instructions

Application table

Application	Dilution
FACS	1-3 µg/1x10^6 cells
IHC-P	2-5 µg/ml
WB	0.1-0.25 µg/ml

Application Note: The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

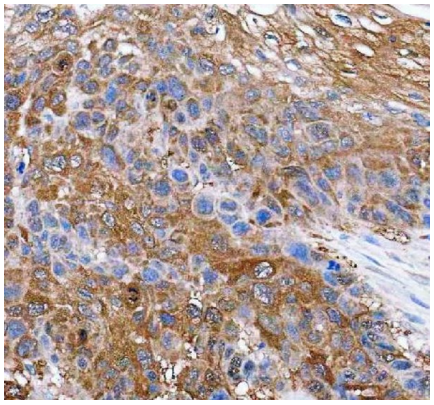
Form	Liquid
Purification	Affinity purified with Immunogen.
Buffer	0.9% NaCl, 0.2% Na2HPO4, 0.05% Sodium azide and 4% Trehalose.
Preservative	0.05% Sodium azide
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

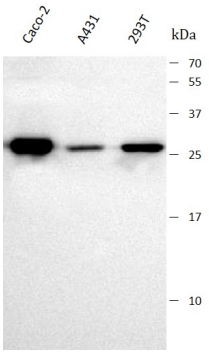
Gene Symbol	IDI1
Gene Full Name	Isopentenyl-Diphosphate Delta Isomerase 1
Background	IDI1 encodes a peroxisomally-localized enzyme that catalyzes the interconversion of isopentenyl diphosphate (IPP) to its highly electrophilic isomer, dimethylallyl diphosphate (DMAPP), which are the substrates for the 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.
Function	Catalyzes the 1,3-allylic rearrangement of the homoallylic substrate isopentenyl (IPP) to its highly electrophilic allylic isomer, dimethylallyl diphosphate (DMAPP).
Calculated Mw	26 kDa
PTM	Acetylation
Cellular Localization	Peroxisome

Images



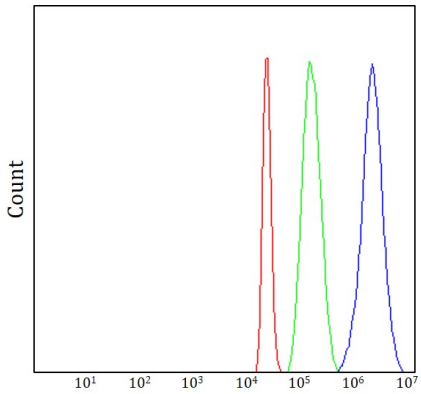
ARG44437 anti-IDI1 antibody IHC-P image

Immunohistochemistry: Human esophageal squamous carcinoma stained with ARG44437 anti-IDI1 antibody at 2 µg/mL dilution.



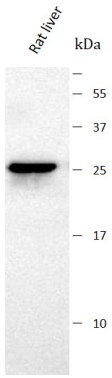
ARG44437 anti-IDI1 antibody WB image

Western blot: Caco-2, A431 and 293T stained with ARG44437 anti-IDI1 antibody at 0.5 µg/mL dilution.



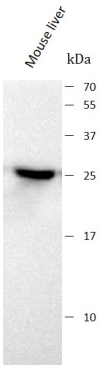
ARG44437 anti-IDI1 antibody FACS image

Flow Cytometry: 293T stained with ARG44437 anti-IDI1 antibody at 1 µg/10^6 cells dilution.



ARG44437 anti-IDI1 antibody WB image

Western blot: Rat liver stained with ARG44437 anti-IDI1 antibody at 0.5 µg/mL dilution.



ARG44437 anti-IDI1 antibody WB image

Western blot: Mouse liver stained with ARG44437 anti-IDI1 antibody at 0.5 µg/mL dilution.