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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0


F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

Product Number	ARP54735_P050-FITC
Product Page	www.avivasysbio.com/idi1-antibody-middle-region-fitc-arp54735-p050-fitc.html
Name	IDI1 Antibody - middle region : FITC (ARP54735_P050-FITC)
Protein Size (# AA)	284 amino acids
Molecular Weight	32kDa
Conjugation	FITC: Fluorescein Isothiocyanate
NCBI Gene Id	3422
Host	Rabbit
Clonality	Polyclonal
Concentration	0.5 mg/ml
Gene Full Name	Isopentenyl-diphosphate delta isomerase 1
Alias Symbols	IPP1, IPP1I
Peptide Sequence	Synthetic peptide located within the following region: PLSNPAELEEESDALGVRRAAQRRKAE LGIPLEEV PPEEINYLTRIH YKA
Product Format	Liquid. Purified antibody supplied in 1x PBS buffer.
Reference	Ma,J., (2007) Atherosclerosis 191 (1), 63-72
Description of Target	IDI1 is 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. 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. PRIMARYREFSEQ_SPAN PRIMARY_IDENTIFIER PRIMARY_SPAN COMP 1-492 BE891119.1 50-541 493-1758 BX648472.1 1201-2466 1759-2150 BX537663.1 4550-4941
Protein Interactions	UBC; FN1; BARD1;
Reconstitution and Storage	All conjugated antibodies should be stored in light-protected vials or covered with a light protecting material (i.e. aluminum foil). Conjugated antibodies are stable for at least 12 months at 4C. If longer storage is desired (24 months), conjugates may be diluted with up to 50% glycerol and stored at -20C to -80C. Freezing and thawing conjugated antibodies will compromise enzyme activity as well as antibody binding.
Datasheets/Manuals	Printable datasheet for anti-IDI1 (ARP54735_P050-FITC) antibody
Blocking Peptide	For anti-IDI1 (ARP54735_P050-FITC) antibody is Catalog # AAP54735 (Previous Catalog # AAPP31530)
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human IDI1
Uniprot ID	Q13907
Protein Name	Isopentenyl-diphosphate Delta-isomerase 1
Protein Accession #	NP_004499
Purification	Affinity Purified
Nucleotide Accession #	NM_004508
Gene Symbol	IDI1
Predicted Species Reactivity	Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Rabbit
Application	WB

Predicted Homology Based on Immunogen Sequence	Cow: 93%; Dog: 86%; Guinea Pig: 100%; Horse: 86%; Human: 100%; Mouse: 100%; Rabbit: 93%; Rat: 100%
Image 1	

AVIVA SYSTEMS BIOLOGY manufactures and sells quality antibody products covering genome wide proteins.

This product is for Research Use Only. Not for diagnostic, human, or veterinary use.
Optimal conditions of its use should be determined by end users.

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6370 Nancy Ridge Dr., Suite 104, San Diego, CA 92121 USA | Tel: (858)552-6979 | info@avivasysbio.com