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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Product Number	ARP58737_P050-Biotin
Product Page	www.avivasysbio.com/aldh1a1-antibody-middle-region-biotin-arp58737-p050-biotin.html
Name	ALDH1A1 Antibody - middle region : Biotin (ARP58737_P050-Biotin)
Protein Size (# AA)	501 amino acids
Molecular Weight	55kDa
Conjugation	Biotin
NCBI Gene Id	216
Host	Rabbit
Clonality	Polyclonal
Concentration	0.5 mg/ml
Gene Full Name	Aldehyde dehydrogenase 1 family, member A1
Alias Symbols	ALDC, ALDH1, HEL-9, HEL12, PUMB1, ALDH11, RALDH1, ALDH-E1, HEL-S-53e
Peptide Sequence	Synthetic peptide located within the following region: SVERAKKYILGNPLTPGVTVQGPQIDKEQYDKILDLIJESGKKEGAKLECGG
Product Format	Liquid. Purified antibody supplied in 1x PBS buffer.
Description of Target	This protein belongs to the aldehyde dehydrogenases family of proteins. Aldehyde dehydrogenase is the second enzyme of the major oxidative pathway of alcohol metabolism. Two major liver isoforms of this enzyme, cytosolic and mitochondrial, can be distinguished by their electrophoretic mobilities, kinetic properties, and subcellular localizations. Most Caucasians have two major isozymes, while approximately 50% of Orientals have only the cytosolic isozyme, missing the mitochondrial isozyme. A remarkably higher frequency of acute alcohol intoxication among Orientals than among Caucasians could be related to the absence of the mitochondrial isozyme. This gene encodes a cytosolic isoform, which has a high affinity for aldehydes.
Protein Interactions	ALDH1A1; SUMO1; NEDD8; NUPR1; POT1; NOS2; ALDH2; UBC;
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-ALDH1A1 (ARP58737_P050-Biotin) antibody
Blocking Peptide	For anti-ALDH1A1 (ARP58737_P050-Biotin) antibody is Catalog# AAP58737 (Previous Catalog# AAPP38505)
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human ALDH1A1
Uniprot ID	P00352
Protein Name	Retinal dehydrogenase 1
Sample Type Confirmation	ALDH1A1 is supported by BioGPS gene expression data to be expressed in ACHN
Protein Accession #	NP_000680
Purification	Affinity Purified
Nucleotide Accession #	NM_000689
Gene Symbol	ALDH1A1
Predicted Species Reactivity	Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Rabbit, Sheep, Yeast
Application	IHC, WB

Predicted Homology Based on Immunogen Sequence	Cow: 93%; Dog: 93%; Guinea Pig: 93%; Horse: 93%; Human: 100%; Mouse: 86%; Rabbit: 79%; Rat: 93%; Sheep: 93%; Yeast: 77%
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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