



# SZABO SCANDIC

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## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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Product Number	ARP58737_P050-HRP
Product Page	<a href="http://www.avivasysbio.com/aldh1a1-antibody-middle-region-hrp-arp58737-p050-hrp.html">www.avivasysbio.com/aldh1a1-antibody-middle-region-hrp-arp58737-p050-hrp.html</a>
Name	ALDH1A1 Antibody - middle region : HRP (ARP58737_P050-HRP)
Protein Size (# AA)	501 amino acids
Molecular Weight	55kDa
Conjugation	HRP: Horseradish Peroxidase
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: <a href="#">SVERAKKYILGNPLTPGVTVQGPQIDKEQYDKILDLIJESGKKEGAKLECGG</a>
Product Format	Liquid. Purified antibody is supplied in high phosphate PBS, 100 mM phosphate, 150 mM NaCl, pH 7.6.
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 <a href="#">anti-ALDH1A1 (ARP58737_P050-HRP) antibody</a>
Blocking Peptide	For anti-ALDH1A1 (ARP58737_P050-HRP) antibody is <a href="#">Catalog# AAP58737</a> (Previous Catalog# AAPP38505)
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human ALDH1A1
Uniprot ID	<a href="#">P00352</a>
Protein Name	Retinal dehydrogenase 1
Sample Type Confirmation	ALDH1A1 is supported by BioGPS gene expression data to be expressed in ACHN
Protein Accession #	<a href="#">NP_000680</a>
Purification	Affinity Purified
Nucleotide Accession #	<a href="#">NM_000689</a>
Gene Symbol	<a href="#">ALDH1A1</a>
Predicted Species Reactivity	Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Rabbit, Sheep, Yeast
Application	IHC, WB

<b>Predicted Homology Based on Immunogen Sequence</b>	Cow: 93%; Dog: 93%; Guinea Pig: 93%; Horse: 93%; Human: 100%; Mouse: 86%; Rabbit: 79%; Rat: 93%; Sheep: 93%; Yeast: 77%
<b>Image 1</b>	

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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