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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	ARP57834_P050-Biotin
Product Page	www.avivasysbio.com/aldh7a1-antibody-n-terminal-region-biotin-arp57834-p050-biotin.html
Name	ALDH7A1 Antibody - N-terminal region : Biotin (ARP57834_P050-Biotin)
Protein Size (# AA)	511 amino acids
Molecular Weight	56kDa
Conjugation	Biotin
NCBI Gene Id	501
Host	Rabbit
Clonality	Polyclonal
Concentration	0.5 mg/ml
Gene Full Name	Aldehyde dehydrogenase 7 family, member A1
Alias Symbols	EPD, PDE, ATQ1
Peptide Sequence	Synthetic peptide located within the following region: NQPOYAWLKLKELGLREENEGVYNGSWGGRGEVITTYCPANNEPIARVRQAS
Product Format	Liquid. Purified antibody supplied in 1x PBS buffer.
Description of Target	Antiquitin is a member of subfamily 7 in the aldehyde dehydrogenase gene family. These enzymes are thought to play a major role in the detoxification of aldehydes generated by alcohol metabolism and lipid peroxidation. This particular member has homology to a previously described protein from the green garden pea, the 26g pea turgor protein. Mutations in this gene cause pyridoxine-dependent epilepsy, which involves a combination of various seizure types and is responsive to immediate administration of pyridoxine hydrochloride. Four additional human antiquitin-like sequences, all of which are pseudogenes, have also been identified.
Protein Interactions	UBC; NEDD8; SCPEP1; FERMT2; YWHAQ; PDIA4; STK24; YWHAH; YWHAG; YWHAE; PPP1CA; PGD; LDHB; HMGB3; GLA; G6PD; EIF5; TBCB; CAPN1; CAPN2; ASNS; EPS8; APP; UBA5; DDA1; RECQL5;
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-ALDH7A1 (ARP57834_P050-Biotin) antibody
Blocking Peptide	For anti-ALDH7A1 (ARP57834_P050-Biotin) antibody is Catalog# AAP57834 (Previous Catalog# AAPP34144)
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human ALDH7A1
Uniprot ID	P49419
Protein Name	Alpha-aminoadipic semialdehyde dehydrogenase
Protein Accession #	NP_001173
Purification	Affinity Purified
Nucleotide Accession #	NM_001182
Gene Symbol	ALDH7A1
Predicted Species Reactivity	Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Rabbit, Zebrafish
Application	WB

Predicted Homology Based on Immunogen Sequence	Cow: 93%; Dog: 100%; Guinea Pig: 100%; Horse: 93%; Human: 100%; Mouse: 85%; Rabbit: 93%; Rat: 100%; Zebrafish: 79%
Image 1	 A schematic diagram of an antibody molecule, represented as a Y-shape. It consists of two heavy chains (the inner vertical lines) and two light chains (the outer diagonal lines), all connected at their base. The two upper arms of the Y represent the antigen-binding sites.

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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