antibodies

Datasheet for ABIN5608774 anti-ALDH5A1 antibody (AA 485-496) (Biotin)





Overview

Quantity:	100 µg
Target:	ALDH5A1
Binding Specificity:	AA 485-496
Reactivity:	Human
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This ALDH5A1 antibody is conjugated to Biotin
Application:	ELISA, Western Blotting (WB)

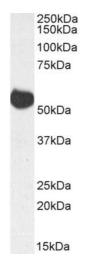
Product Details

Purpose:	ALDH5A1 (aa 485-496), Biotinylated
Sequence:	SQDPAQIWRV AE.
Isotype:	lgG
Specificity:	This antibody is expected to recognize both reported isoforms (NP_733936.1, NP_001071.1). Amino acid numbering in name calculated from NP_733936.1.
Cross-Reactivity:	Cow, Dog, Human, Mouse, Rat
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Grade:	Verified

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Target Details	
Target:	ALDH5A1
Alternative Name:	ALDH5A1 (ALDH5A1 Products)
Background:	ALDH5A1, aldehyde dehydrogenase 5 family, member A1, SSADH, SSDH, NAD(+)-dependent succinic semialdehyde dehydrogenase, aldehyde dehydrogenase 5A1, mitochondrial succinate semialdehyde dehydrogenase, succinate-semialdehyde dehydrogenase
Gene ID:	7915, 214579, 291133
NCBI Accession:	NP_733936, NP_001071
Pathways:	Monocarboxylic Acid Catabolic Process
Application Details	
Application Notes:	Western Blot: Approx 55 kDa band observed in Human Liver lysates (calculated MW of 58.7 kDa according to NP_733936.1). Recommended concentration: 0.3-1 µg/mL. Peptide ELISA: antibody detection limit dilution 1:32000.
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	0.5 mg/mL
Buffer:	Supplied at 0.5 mg/mL in Tris saline, 0.02 % sodium azide, pH 7.3 with 0.5 % bovine serum albumin.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Minimize freezing and thawing.
Storage:	-20 °C
Storage Comment:	Aliquot and store at -20°C, with minimal freeze/thawing. A working aliquot may be refrigerated at 4°C for a few weeks and still remain viable.

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Western Blotting

Image 1. Biotinylated ABIN5608774 (0.5µg/ml) staining of Human Liver lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence, using streptavidin-HRP and using NAP blocker as a substitute for skimmed milk.

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