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anti-ALDH6A1 antibody (AA 487-496)

2 Images



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Overview

Quantity:	100 μg
Target:	ALDH6A1
Binding Specificity:	AA 487-496
Reactivity:	Human, Mouse, Rat
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This ALDH6A1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Purpose:	ALDH6A1 (aa487-496)
Immunogen:	C-SRSSFRGDTN
Sequence:	SRSSFRGDTN
Isotype:	IgG
Specificity:	This antibody is expected to recognize all three reported isoform (NP_005580.1, NP_001265522.1, NP_001265523.1).
Cross-Reactivity:	Cow, Dog, Human, Mouse, Pig, Rat
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Grade:	Verified

Target Details

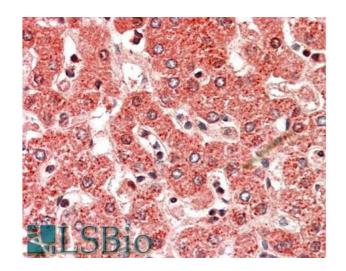
Target:	ALDH6A1
Alternative Name:	ALDH6A1 (ALDH6A1 Products)
Background:	ALDH6A1, aldehyde dehydrogenase 6 family, member A1, MGC40271, MMSADHA, MMSDH, aldehyde dehydrogenase 6A1, mitochondrial acylating methylmalonate-semialdehyde dehydrogenase
Gene ID:	4329, 104776, 81708
NCBI Accession:	NP_005580, NP_001265522, NP_001265523
Pathways:	Brown Fat Cell Differentiation

Application Details

Application Notes:	Immunohistochemistry: In paraffin embedded Human Liver shows textured staining of the
	cytoplasm consistent with mitochondria. Recommended concentration, 5-10 $\mu g/mL$.
	Western Blot: Approx 55 kDa band observed in Human, Mouse and Rat Kidney lysates
	(calculated MW of 57.8 kDa according to NP_005580.1). Recommended concentration: 0.1-0.3
	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.



Immunohistochemistry

Image 1. ABIN571254 (5µg/ml) staining of paraffin embedded Human Liver. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

250kDa 150kDa 100kDa

75kDa

50kDa

37kDa

25kDa

20kDa

15kDa

Western Blotting

Image 2. ABIN571254 (0.1μg/ml) staining of Mouse Kidney lysate (35μg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.