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Datasheet for ABIN6136772 anti-ALDH3A1 antibody (AA 1-300)

2 Images



Overview

Quantity:	100 µL
Target:	ALDH3A1
Binding Specificity:	AA 1-300
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ALDH3A1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-300 of human ALDH3A1 (NP_001128640.1).
Sequence:	MSKISEAVKR ARAAFSSGRT RPLQFRIQQL EALQRLIQEQ EQELVGALAA DLHKNEWNAY YEEVVYVLEE IEYMIQKLPE WAADEPVEKT PQTQQDELYI HSEPLGVVLV IGTWNYPFNL TIQPMVGAIA AGNSVVLKPS ELSENMASLL ATIIPQYLDK DLYPVINGGV PETTELLKER FDHILYTGST GVGKIIMTAA AKHLTPVTLE LGGKSPCYVD KNCDLDVACR RIAWGKFMNS GQTCVAPDYI LCDPSIQNQI VEKLKKSLKE FYGEDAKKSR DYGRIISARH FQRVMGLIEG
Isotype:	lgG
Cross-Reactivity:	Human, Mouse
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

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Target Details

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Target:	ALDH3A1
Alternative Name:	ALDH3A1 (ALDH3A1 Products)
Background:	Aldehyde dehydrogenases oxidize various aldehydes to the corresponding acids. They are
	involved in the detoxification of alcohol-derived acetaldehyde and in the metabolism of
	corticosteroids, biogenic amines, neurotransmitters, and lipid peroxidation. The enzyme
	encoded by this gene forms a cytoplasmic homodimer that preferentially oxidizes aromatic and
	medium-chain (6 carbons or more) saturated and unsaturated aldehyde substrates. It is
	thought to promote resistance to UV and 4-hydroxy-2-nonenal-induced oxidative damage in the
	cornea. The gene is located within the Smith-Magenis syndrome region on chromosome 17.
	Multiple alternatively spliced variants, encoding the same protein, have been
	identified.,ALDH3A1,ALDH3,ALDHIII,Cancer,Signal Transduction,Cell Biology & Developmental
	Biology,Endocrine & Metabolism,Neuroscience,ALDH3A1
Molecular Weight:	50 kDa
Gene ID:	218
UniProt:	P30838
Application Details	
Application Notes:	WB,1:500 - 1:2000
Comment:	HIGH QUALITY
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which
	should be handled by trained staff only.
Storage:	-20 °C

Storage Comment: Store at -20°C. Avoid f

Store at -20°C. Avoid freeze / thaw cycles.

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Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using ALDH3A1 antibody.

Immunofluorescence

Image 2. Immunofluorescence analysis of U2OS cells using ALDH3A1 antibody.

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