

ARG63905 anti-ALDH1A1 antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes ALDH1A1
Tested Reactivity	Hu
Predict Reactivity	Ms, Rat
Tested Application	IHC-P, WB
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	ALDH1A1
Species	Human
Immunogen	C-RELGEYGFHEYTE
Conjugation	Un-conjugated
Alternate Names	HEL-S-53e; RALDH1; Aldehyde dehydrogenase family 1 member A1; Retinal dehydrogenase 1; HEL-9; RALDH 1; ALDH1; Aldehyde dehydrogenase, cytosolic; ALDH11; EC 1.2.1.36; RALDH1; HEL12; PUMB1; ALHDII; ALDC; ALDH-E1

Application Instructions

Application table	Application	Dilution
	IHC-P	5 µg/ml
	WB	1 - 3 µg/ml
Application Note	WB: Recommend incubate at RT for 1h. IHC-P: Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated

freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note

For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links

[GeneID: 216 Human](#)

[Swiss-port # P00352 Human](#)

Background

The protein encoded by this gene belongs to the aldehyde dehydrogenase family. Aldehyde dehydrogenase is the next enzyme after alcohol dehydrogenase in the major pathway of alcohol metabolism. There are two major aldehyde dehydrogenase isozymes in the liver, cytosolic and mitochondrial, which are encoded by distinct genes, and can be distinguished by their electrophoretic mobility, kinetic properties, and subcellular localization. This gene encodes the cytosolic isozyme. Studies in mice show that through its role in retinol metabolism, this gene may also be involved in the regulation of the metabolic responses to high-fat diet. [provided by RefSeq, Mar 2011]

Research Area

Cancer antibody; Developmental Biology antibody; Neuroscience antibody

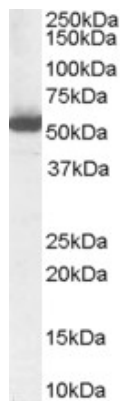
Calculated Mw

55 kDa

PTM

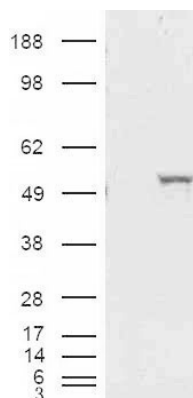
The N-terminus is blocked most probably by acetylation.

Images



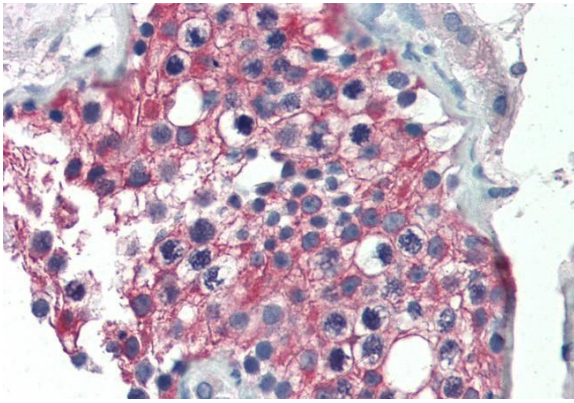
ARG63905 anti-ALDH1A1 antibody WB image

Western Blot: Human Liver Lysate (35 µg protein in RIPA buffer) stained with ARG63905 anti-ALDH1A1 antibody at 1 µg/ml dilution.



ARG63905 anti-ALDH1A1 antibody WB image

Western Blot: 1). Mock transfection; 2) ALDH1A1 expressing plasmid transfected HEK293 cell lysate stained with ARG63905 anti-ALDH1A1 antibody.



ARG63905 anti-ALDH1A1 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human testis tissue.
Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). The tissue section was stained with ARG63905 anti-ALDH1A1 antibody at 5 µg/ml dilution followed by AP-staining.