

ARG65263 anti-ALDH3B1 antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes ALDH3B1
Tested Reactivity	Hu
Predict Reactivity	Ms, Rat, Cow, Dog
Tested Application	WB
Specificity	This antibody is expected to recognize isoform a (NP_000685.1) only. This antibody is not expected to cross react with ALDH3B2. x000D_Reported variants represent identical protein: NP_000685.1, NP_001154945.1
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	ALDH3B1
Species	Human
Immunogen	C-QDLHKSAFESEVSE
Conjugation	Un-conjugated
Alternate Names	ALDH4; EC 1.2.1.5; ALDH7; Aldehyde dehydrogenase 7; Aldehyde dehydrogenase family 3 member B1

Application Instructions

Application table	Application	Dilution
	WB	0.3 - 1 µg/ml
Application Note	WB: Recommend incubate at RT for 1h. * 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: 221 Human](#)

[Swiss-port # P43353 Human](#)

Background

The aldehyde dehydrogenases are a family of isozymes that may play a major role in the detoxification of aldehydes generated by alcohol metabolism and lipid peroxidation. This particular gene spans about 20 kb of genomic DNA and is composed of 9 coding exons. The gene is highly expressed in kidney and lung. The functional significance of this gene as well as the cellular localization of its product are presently unknown. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jun 2009]

Research Area

Cell Biology and Cellular Response antibody; Metabolism antibody; Signaling Transduction antibody

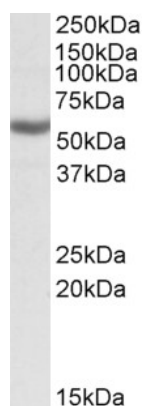
Calculated Mw

52 kDa

PTM

Dually lipidated in the C-terminus; prenylation occurs prior to, and is a prerequisite for palmitoylation. It is also required for activity towards long-chain substrates.

Images



ARG65263 anti-ALDH3B1 antibody WB image

Western Blot: K562 lysate (35 µg protein in RIPA buffer) stained with ARG65263 anti-ALDH3B1 antibody at 0.3 µg/ml dilution.