ARG65260
anti-ALDH3A1 antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes ALDH3A1
Tested Reactivity	Hu, Ms
Tested Application	IHC-P, WB
Specificity	Reported variants represent identical protein: NP_001128639.1, NP_000682.3, NP_001128640.1
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	ALDH3A1
Species	Human
Immunogen	C-RYPPSPAKMTQH
Conjugation	Un-conjugated
Alternate Names	Aldehyde dehydrogenase, dimeric NADP-preferring; EC 1.2.1.5; ALDHIII; Aldehyde dehydrogenase family 3 member A1; Aldehyde dehydrogenase 3; ALDH3

Application Instructions

Application table

Application	Dilution
IHC-P	3 - 5 µg/ml
WB	0.01 - 0.03 µg/ml

Application Note

IHC-P: Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0).
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

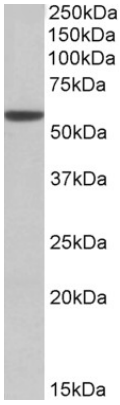
Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for 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

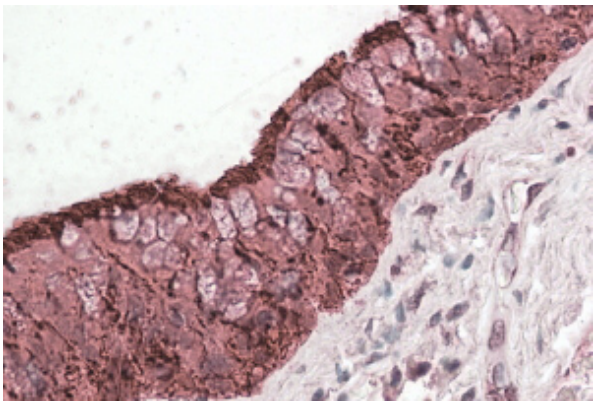
Database links	GeneID: 11670 Mouse GeneID: 218 Human Swiss-port # P30838 Human Swiss-port # P47739 Mouse
Background	Aldehyde dehydrogenases oxidize various aldehydes to the corresponding acids. They are involved in the detoxification of alcohol-derived acetaldehyde and in the metabolism of corticosteroids, 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. [provided by RefSeq, Sep 2008]
Research Area	Cell Biology and Cellular Response antibody; Metabolism antibody; Neuroscience antibody; Signaling Transduction antibody
Calculated Mw	50 kDa

Images



ARG65260 anti-ALDH3A1 antibody WB image

Western Blot: Mouse Eye lysate (35 µg protein in RIPA buffer) stained with ARG65260 anti-ALDH3A1 antibody at 0.01 µg/ml dilution.



ARG65260 anti-ALDH3A1 antibody IHC-P image

Immunohistochemistry: paraffin embedded Human Lung. (Steamed antigen retrieval with citrate buffer pH 6) stained with ARG65260 anti-ALDH3A1 antibody at 3.8 µg/ml dilution followed by AP-staining.