

ALDH3A1 Polyclonal Antibody

Catalog Number:E-AB-14534



Note: Centrifuge before opening to ensure complete recovery of vial contents.

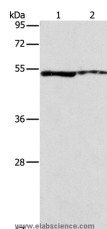
Description

Reactivity	Human,Mouse,Rat
Immunogen	Recombinant protein of human ALDH3A1
Host	Rabbit
Isotype	IgG
Purification	Affinity purification
Conjugation	Unconjugated
Formulation	PBS with 0.05% sodium azide and 50% glycerol, PH7.4

Applications Recommended Dilution

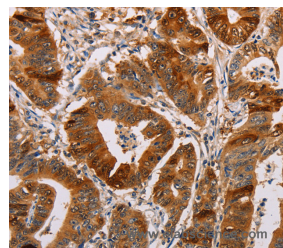
WB	1:500-1:2000
IHC	1:50-1:200

Data

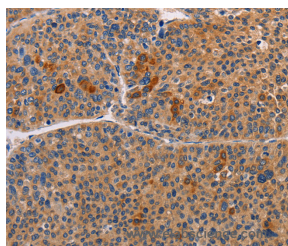


Western Blot analysis of A549 and Mouse eye tissue using ALDH3A1 Polyclonal Antibody at dilution of 1:750

Calculated Mw:50kDa



Immunohistochemistry of paraffin-embedded Human gastric cancer using ALDH3A1 Polyclonal Antibody at dilution of 1:55



Immunohistochemistry of paraffin-embedded Human liver cancer using ALDH3A1 Polyclonal Antibody at dilution of 1:55

Preparation & Storage

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

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

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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.

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