

## ALDH3A1 Polyclonal Antibody

Catalog No. E-AB-14534

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

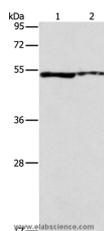
### Description

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

### Applications Recommended Dilution

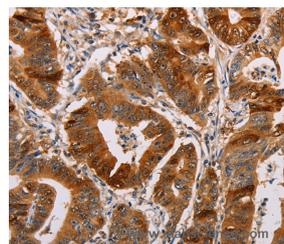
<b>WB</b>	1:500-1:2000
<b>IHC</b>	1:50-1:200

### Data

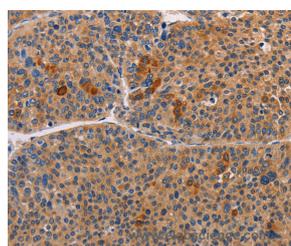


Western Blot analysis of A549 and Mouse eye tissue using ALDH3A1 Polyclonal Antibody at dilution of 1:750

**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.

### For Research Use Only

## 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.