

# ALDH8A1 Polyclonal Antibody

Catalog Number: E-AB-10770



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

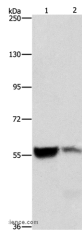
## Description

<b>Reactivity</b>	Human, Mouse
<b>Immunogen</b>	Recombinant protein of human ALDH8A1
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Purification</b>	Affinity purification
<b>Conjugation</b>	Unconjugated
<b>Formulation</b>	PBS with 0.05% sodium azide and 50% glycerol, PH7.4

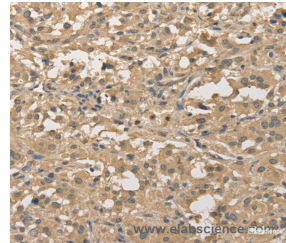
## Applications Recommended Dilution

<b>WB</b>	1:500-1:2000
<b>IHC</b>	1:25-1:100

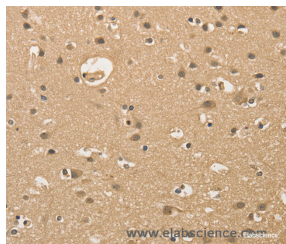
## Data



Western Blot analysis of Mouse liver and kidney tissue using ALDH8A1 Polyclonal Antibody at dilution of 1:550  
**Calculated Mw: 53kDa**



Immunohistochemistry of paraffin-embedded Human thyroid cancer using ALDH8A1 Polyclonal Antibody at dilution of 1:30



Immunohistochemistry of paraffin-embedded Human brain using ALDH8A1 Polyclonal Antibody at dilution of 1:30

## Preparation & Storage

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

## Background

This protein belongs to the aldehyde dehydrogenases family of proteins. It plays a role in a pathway of 9-cis-retinoic acid biosynthesis in vivo. This enzyme converts 9-cis-retinal into the retinoid X receptor ligand 9-cis-retinoic acid, and has approximately 40-fold higher activity with 9-cis-retinal than with all-trans-retinal. Therefore, it is the first known

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aldehyde dehydrogenase to show a preference for 9-cis-retinal relative to all-trans-retinal. Three transcript variants encoding distinct protein isoforms have been identified for this gene.

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