# ALDH8A1 Polyclonal Antibody

**catalog number:** **E-AB-10770**

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

## Description

| | |
|---|---|
| **Reactivity** | Human;Mouse |
| **Immunogen** | Recombinant protein of human ALDH8A1 |
| **Host** | Rabbit |
| **Isotype** | Rabbit IgG |
| **Purification** | Affinity purification |
| **Buffer** | Phosphate buffered solution, pH 7.4, containing 0.05% stabilizer and 50% glycerol. |

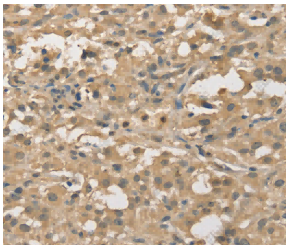
| Applications | Recommended Dilution |
|---|---|
| **WB** | 1:500-1:2000 |
| **IHC** | 1:25-1:100 |

## Data

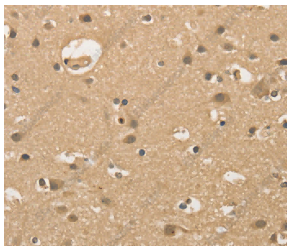


Western Blot analysis of Mouse liver and kidney tissue using ALDH8A1 Polyclonal Antibody at dilution of 1:550

**Calculated-MW:53 kDa**



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 Valid for 12 months. Avoid freeze / thaw cycles. |
| **Shipping** | The product is shipped with ice pack,upon receipt,store it immediately at the temperature recommended. |

## 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 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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