

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 |
| Buffer | Phosphate buffered solution, pH 7.4, containing 0.05% stabilizer and 50% glycerol. |

Applications

Recommended Dilution

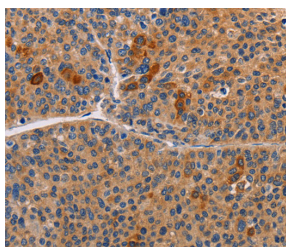
| | |
|------------|--------------|
| WB | 1:500-1:2000 |
| IHC | 1:50-1:200 |

Data

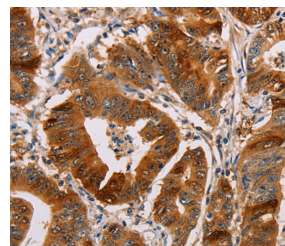


Western Blot analysis of A549 and Mouse eye tissue using ALDH3A1 Polyclonal Antibody at dilution of 1:750

Calculated-MV:50 kDa



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



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

Preparation & Storage

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|-----------------|--|
| 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

For Research Use Only

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.