

## CAB13275

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### Product Information

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|---------------------|----------|----------------------|--------|--------------------|-----------------|
| <b>Product SKU:</b> | CAB13275 | <b>Gene ID:</b>      | 218    | <b>Size:</b>       | 20uL, 100uL     |
| <b>Clone No:</b>    | -        | <b>Host Species:</b> | Rabbit | <b>Reactivity:</b> | Human,Mouse,Rat |

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### Additional Information

|                       |       |                   |              |
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| <b>Observed MW:</b>   | 55kDa | <b>Conjugate:</b> | Unconjugated |
| <b>Calculated MW:</b> | 50kDa | <b>Isotype:</b>   | IgG          |

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### Immunogen Information

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|------------------------------|--|
| <b>Background:</b>           | 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. |
| <b>Recommended Dilution:</b> | WB,1:500 - 1:2000 IF/ICC,1:50 - 1:200  |
| <b>Synonyms:</b>             | ALDH3; ALDHIII; ALDH3A1  |
| <b>Purification Method:</b>  | Affinity purification  |
| <b>Immunogen:</b>            | Recombinant fusion protein containing a sequence corresponding to amino acids 1-300 of human ALDH3A1 (NP_001128640.1).   |
| <b>Storage:</b>              | Store at -20°C. Avoid freeze / thaw cycles.Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.   |