Datasheet for ABIN702505

# anti-ALDH1A2 antibody (AA 441-518)

3 Images

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## Overview

| | |
|---|---|
| Quantity: | 100 µL |
| Target: | ALDH1A2 |
| Binding Specificity: | AA 441-518 |
| Reactivity: | Mouse, Rat, Zebrafish (Danio rerio) |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This ALDH1A2 antibody is un-conjugated |
| Application: | Western Blotting (WB), ELISA, Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)) |

## Product Details

| | |
|---|---|
| Immunogen: | KLH conjugated synthetic peptide derived from human RALDH2 |
| Isotype: | IgG |
| Cross-Reactivity: | Mouse, Rat, Zebrafish (Danio rerio) |
| Predicted Reactivity: | Human,Dog,Cow,Pig,Horse,Rabbit |
| Purification: | Purified by Protein A. |

## Target Details

| | |
|---|---|
| Target: | ALDH1A2 |

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## Target Details

| | |
|---|---|
| Alternative Name: | RALDH2 (ALDH1A2 Products) |
| Background: | Synonyms: RALDH2, RALDH2-T, RALDH(II), Retinal dehydrogenase 2, RALDH 2, Aldehyde dehydrogenase family 1 member A2, Retinaldehyde-specific dehydrogenase type 2, ALDH1A2 Background: Recognizes as substrates free retinal and cellular retinol-binding protein-bound retinal. Does metabolize octanal and decanal but does not metabolize citral, benzaldehyde, acetaldehyde and propanal efficiently (By similarity). |
| Gene ID: | 8854 |
| UniProt: | O94788 |
| Pathways: | Retinoic Acid Receptor Signaling Pathway |

## Application Details

| | |
|---|---|
| Application Notes: | WB 1:300-5000<br>ELISA 1:500-1000<br>IHC-P 1:200-400<br>IHC-F 1:100-500<br>IF(IHC-P) 1:50-200<br>IF(IHC-F) 1:50-200<br>IF(ICC) 1:50-200 |
| Restrictions: | For Research Use only |

## Handling

| | |
|---|---|
| Format: | Liquid |
| Concentration: | 1 µg/µL |
| Buffer: | 0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol. |
| Preservative: | ProClin |
| Precaution of Use: | This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only. |
| Storage: | 4 °C,-20 °C |
| Storage Comment: | Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles. |
| Expiry Date: | 12 months |

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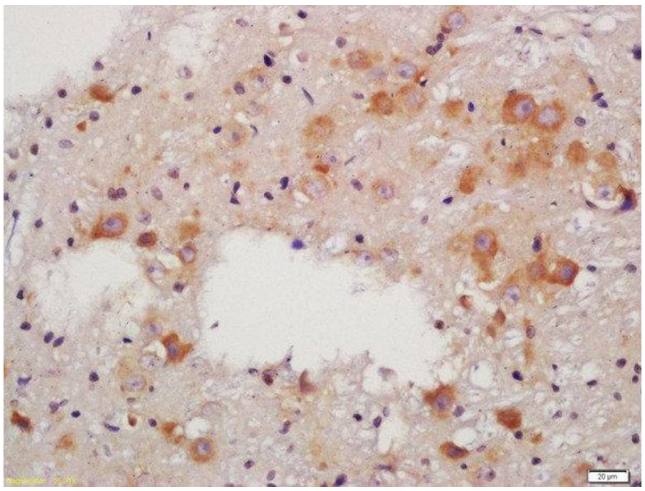
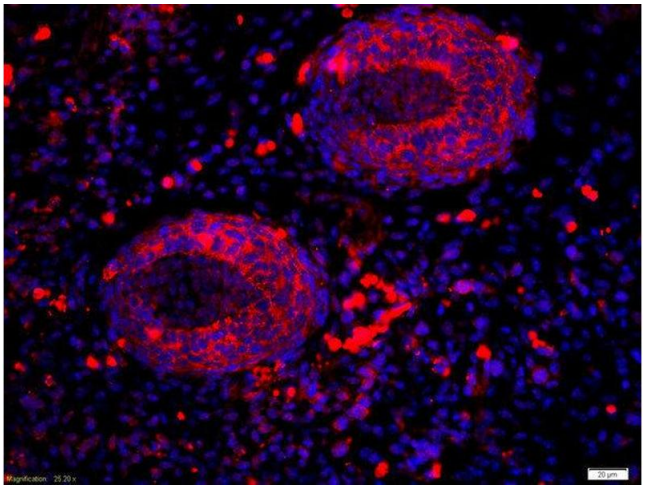


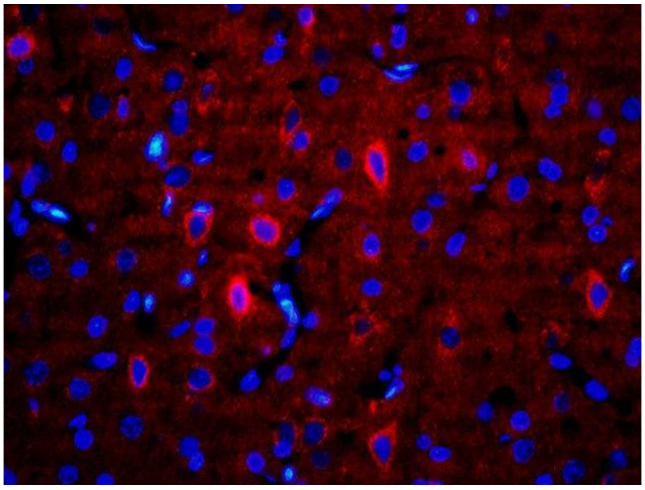
**Immunohistochemistry (Paraffin-embedded Sections)**

**Image 1.** Formalin-fixed and paraffin embedded rat brain labeled with Anti-RALDH2 Polyclonal Antibody, Unconjugated at 1:200 followed by conjugation to the secondary antibody and DAB staining



**Immunofluorescence**

**Image 2.** Formalin-fixed and paraffin-embedded mouse embryo labeled with Anti-RALDH2 Polyclonal Antibody, Unconjugatedused at 1:200 dilution for 40 minutes at 37°C.



**Immunofluorescence**

**Image 3.** Formalin-fixed and paraffin-embedded rat brain labeled with Anti-RALDH2 Polyclonal Antibody, Unconjugatedused at 1:200 dilution for 40 minutes at 37°C.

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