

Product datasheet

Anti-ALDH9A1 antibody ab72773

2 Images

Overview

| | |
|----------------------------|---|
| Product name | Anti-ALDH9A1 antibody |
| Description | Mouse polyclonal to ALDH9A1 |
| Host species | Mouse |
| Tested applications | Suitable for: WB |
| Species reactivity | Reacts with: Human |
| Immunogen | Full length human ALDH9A1 protein. |
| Positive control | ALDH9A1 transfected 293T cell lysate. Human liver lysate. |

Properties

| | |
|-----------------------------|--|
| Form | Liquid |
| Storage instructions | Shipped at 4°C. Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle. |
| Storage buffer | Preservative: None Constituents: Whole serum |
| Purity | Whole antiserum |
| Clonality | Polyclonal |
| Isotype | IgG |

Applications

Our [Abpromise guarantee](#) covers the use of **ab72773** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

| Application | Abreviews | Notes |
|-------------|-----------|---|
| WB | | 1/500 - 1/1000. Predicted molecular weight: 54 kDa. |

Target

Function Converts gamma-trimethylaminobutyraldehyde into gamma-butyrobetaine. Catalyzes the

irreversible oxidation of a broad range of aldehydes to the corresponding acids in an NAD-dependent reaction.

Tissue specificity

High expression in adult liver, skeletal muscle, and kidney. Low levels in heart, pancreas, lung and brain. Expressed in all regions of the brain. Expression levels are variable in the different brain areas, with the highest levels in the spinal cord and the lowest in the occipital pole.

Pathway

Amine and polyamine biosynthesis; carnitine biosynthesis.

Sequence similarities

Belongs to the aldehyde dehydrogenase family.

Developmental stage

Strongly expressed in human embryonic brain (gestational age 12 weeks).

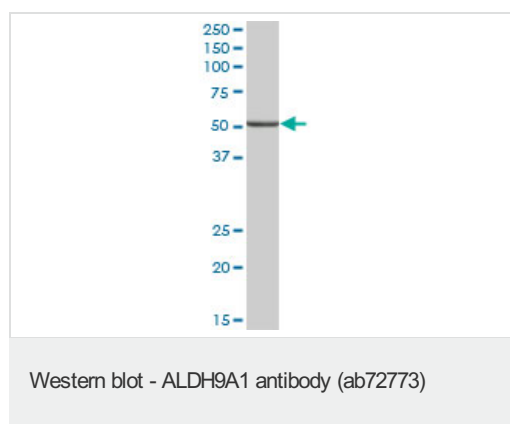
Post-translational modifications

The N-terminus is blocked.

Cellular localization

Cytoplasm.

Images



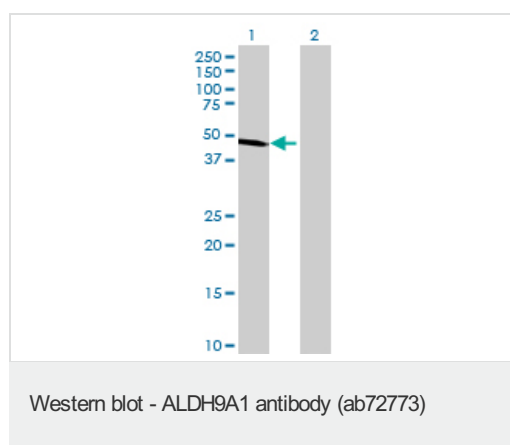
Anti-ALDH9A1 antibody (ab72773) at 1/500 dilution + human liver lysate at 25 μ g

Secondary

Goat Anti-Mouse IgG (H&L)-HRP Conjugate at 1/2500 dilution

Predicted band size: 54 kDa

Observed band size: 52 kDa



All lanes : Anti-ALDH9A1 antibody (ab72773) at 1/500 dilution

Lane 1 : ALDH9A1 transfected 293T cell lysate

Lane 2 : Non-transfected 293T cell lysate

Lysates/proteins at 25 μ g per lane.

Secondary

All lanes : Goat Anti-Mouse IgG (H&L)-HRP Conjugate at 1/2500 dilution

Predicted band size: 54 kDa

Observed band size: 48 kDa

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