

**Goat anti-ALDH9A1, Biotinylated Antibody**  
Peptide-affinity purified goat antibody  
Catalog # AF4485a

## Specification

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### Goat anti-ALDH9A1, Biotinylated Antibody - Product Information

Application	WB, Pep-ELISA
Primary Accession	<a href="#">P49189</a>
Other Accession	<a href="#">NP_000687.3</a>
Reactivity	Human, Bovine
Host	Goat
Clonality	Polyclonal
Calculated MW	53802

### Goat anti-ALDH9A1, Biotinylated Antibody - Additional Information

Gene ID 223

#### Other Names

ALDH9A1; aldehyde dehydrogenase 9 family, member A1; ALDH4; ALDH7; ALDH9; E3; TMABADH; 4-trimethylaminobutyraldehyde dehydrogenase; R-aminobutyraldehyde dehydrogenase; aldehyde dehydrogenase (NAD+); aldehyde dehydrogenase 9A1; aldehyde dehydrogenase E3 is

#### Format

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.

#### Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

#### Precautions

Goat anti-ALDH9A1, Biotinylated Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

### Goat anti-ALDH9A1, Biotinylated Antibody - Protein Information

Name ALDH9A1

Synonyms ALDH4, ALDH7, ALDH9 {ECO:0000303|PubMed:

#### Function

Converts gamma-trimethylaminobutyraldehyde into gamma- butyrobetaine with high efficiency (in vitro). Can catalyze the irreversible oxidation of a broad range of aldehydes to the corresponding acids in an NAD-dependent reaction, but with low efficiency. Catalyzes the oxidation of aldehydes arising from biogenic amines and polyamines.

**Cellular Location**

Cytoplasm, cytosol {ECO:0000250|UniProtKB:Q9JLJ3}. Cytoplasm

**Tissue Location**

Detected in brain (at protein level) (PubMed:8645224). High expression in adult liver, skeletal muscle, and kidney. Low levels in heart, pancreas, lung and brain (PubMed:8786138) 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.

**Goat anti-ALDH9A1, Biotinylated Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**Goat anti-ALDH9A1, Biotinylated Antibody - Images**