

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

Goat anti-ALDH9A1, Biotinylated Antibody - Product Information

Application	WB, Pep-ELISA
Primary Accession	P49189
Other Accession	NP_000687.3
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

Dilution

WB~~1:1000
Pep-ELISA~~N/A

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