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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 Cytomety
- Cell Culture

Goat anti-ALDH9A1, Biotinylated Antibody - Images