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Goat anti-ALDH9A1, Biotinylated Antibody

Peptide-affinity purified goat antibody
Catalog # AF4485a

Product Information

Application	WB, Pep-ELISA
Primary Accession	P49189
Other Accession	NP_000687.3
Reactivity	Human, Bovine
Host	Goat
Clonality	Polyclonal
Clone Names	ALDH9A1
Calculated MW	53802

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.

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.