

Datasheet for ABIN7189774
anti-ALDH9A1 antibody



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3 Images

Overview

Quantity:	100 µL
Target:	ALDH9A1
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ALDH9A1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	Synthetic peptide of Human ALDH9A1
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Antigen affinity purification

Target Details

Target:	ALDH9A1
Alternative Name:	ALDH9A1 (ALDH9A1 Products)
Background:	Background: This protein belongs to the aldehyde dehydrogenase family of proteins. It has a high activity for oxidation of gamma-aminobutyraldehyde and other amino aldehydes. The enzyme catalyzes the dehydrogenation of gamma-aminobutyraldehyde to gamma-aminobutyric acid (GABA). This isozyme is a tetramer of identical 54-kD subunits. Converts

Target Details

gamma-trimethylaminobutyraldehyde into gamma-butyrobetaine. Catalyzes the irreversible oxidation of a broad range of aldehydes to the corresponding acids in an NAD-dependent reaction.

Aliases: 4 trimethylaminobutyraldehyde dehydrogenase antibody, 4-trimethylaminobutyraldehyde dehydrogenase antibody, AL9A1_HUMAN antibody, aldehyde dehydrogenase (NAD⁺) antibody, Aldehyde dehydrogenase 9A1 antibody, Aldehyde dehydrogenase E3 isozyme antibody, Aldehyde dehydrogenase family 9 member A1 antibody, ALDH4 antibody, ALDH7 antibody, ALDH9 antibody, aldh9A1 antibody, E3 antibody, Gamma aminobutyraldehyde dehydrogenase antibody, Gamma-aminobutyraldehyde dehydrogenase antibody, R aminobutyraldehyde dehydrogenase antibody, R-aminobutyraldehyde dehydrogenase antibody, TMABADH antibody

UniProt: [P49189](#)

Application Details

Application Notes: ELISA:1:2000-1:5000, WB:1:200-1:1000, IHC:1:50-1:200,

Restrictions: For Research Use only

Handling

Format: Liquid

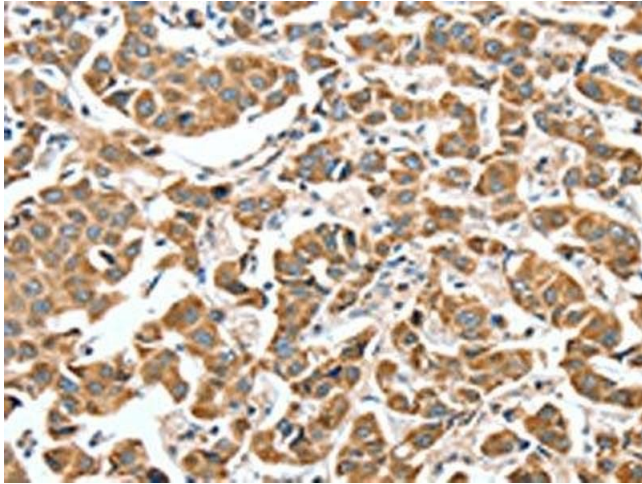
Buffer: -20 °C, pH 7.4 PBS, 0.05 % Sodium azide, 40 % Glycerol

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

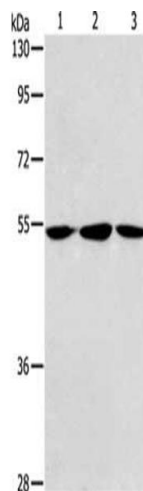
Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



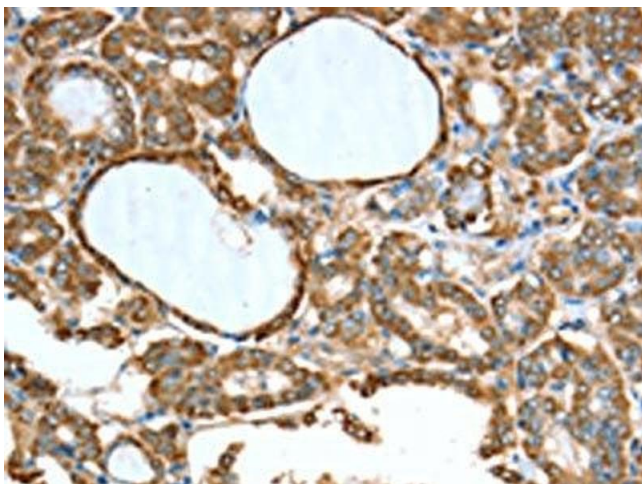
Immunohistochemistry

Image 1. The image on the left is immunohistochemistry of paraffin-embedded Human breast cancer tissue using ABIN7189774(ALDH9A1 Antibody) at dilution 1/50, on the right is treated with synthetic peptide. (Original magnification: x200)



Western Blotting

Image 2. Gel: 8 % SDS-PAGE, Lysate: 40 µg, Lane 1-3: Human fetal liver tissue, hela cells, Human fetal brain tissue, Primary antibody: ABIN7189774(ALDH9A1 Antibody) at dilution 1/240, Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution, Exposure time: 30 seconds



Immunohistochemistry

Image 3. The image on the left is immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using ABIN7189774(ALDH9A1 Antibody) at dilution 1/50, on the right is treated with synthetic peptide. (Original magnification: x200)