

Datasheet for ABIN2798722
anti-ALDH5A1 antibody (C-Term)



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Overview

Quantity:	400 µL
Target:	ALDH5A1
Binding Specificity:	AA 368-398, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ALDH5A1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Purpose:	Rabbit Anti-Human ALDH5A1 (C-term) Antibody
Immunogen:	This ALDH5A1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 368-398 amino acids from the C-terminal region of human ALDH5A1.
Isotype:	Ig Fraction

Target Details

Target:	ALDH5A1
Alternative Name:	ALDH5A1 (ALDH5A1 Products)
Background:	Target Description: ALDH5A1 belongs to the aldehyde dehydrogenase family of proteins. This protein functions as a mitochondrial NAD(+)-dependent succinic semialdehyde dehydrogenase. A deficiency of this enzyme, known as 4-hydroxybutyricaciduria, is a rare inborn error in the

Target Details

metabolism of the neurotransmitter 4-aminobutyric acid (GABA). In response to the defect, physiologic fluids from patients accumulate GHB, a compound with numerous neuromodulatory properties.

Gene Symbol: ALDH5A1

Molecular Weight: 57215 Da

Gene ID: 7915

UniProt: [P51649](#)

Pathways: [Monocarboxylic Acid Catabolic Process](#)

Application Details

Application Notes: Western Blot, Immunohistochemistry

Recommended Dilutions

WB: 1:1000, IHC: 1:10-50Western blot analysis of ALDH5A1 Antibody (C-term) , which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.5 mg/mL

Storage: 4 °C,-20 °C

Storage Comment: 2-8°C (short-term), -20°C (long-term)