

Datasheet for ABIN7170921

anti-ALDH5A1 antibody (AA 48-535)

5 Images

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Overview

Quantity:	100 µg
Target:	ALDH5A1
Binding Specificity:	AA 48-535
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ALDH5A1 antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant Human Succinate-semialdehyde dehydrogenase, mitochondrial protein (48-535AA)
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	>95%, Protein G purified

Target Details

Target:	ALDH5A1
Alternative Name:	ALDH5A1 (ALDH5A1 Products)
Background:	Background: Catalyzes one step in the degradation of the inhibitory neurotransmitter gamma-

Target Details

aminobutyric acid (GABA).

Aliases: Aldedehyde dehydrogenase 5 family antibody, Aldehyde dehydrogenase 5 family member A1 antibody, Aldehyde dehydrogenase 5A1 antibody, Aldehyde dehydrogenase family 5 member A1 antibody, ALDH5A 1 antibody, Aldh5a1 antibody, mitochondrial antibody, Mitochondrial succinate semialdehyde dehydrogenase antibody, NAD(+) dependent succinic semialdehyde dehydrogenase antibody, NAD(+)-dependent succinic semialdehyde dehydrogenase antibody, SSADH antibody, SSDH antibody, SSDH_HUMAN antibody, Succinate semialdehyde dehydrogenase antibody, Succinate-semialdehyde dehydrogenase antibody

UniProt: [P51649](#)

Pathways: [Monocarboxylic Acid Catabolic Process](#)

Application Details

Application Notes: Recommended dilution: WB:1:500-1:5000, IHC:1:20-1:200, IF:1:50-1:200,

Restrictions: For Research Use only

Handling

Format: Liquid

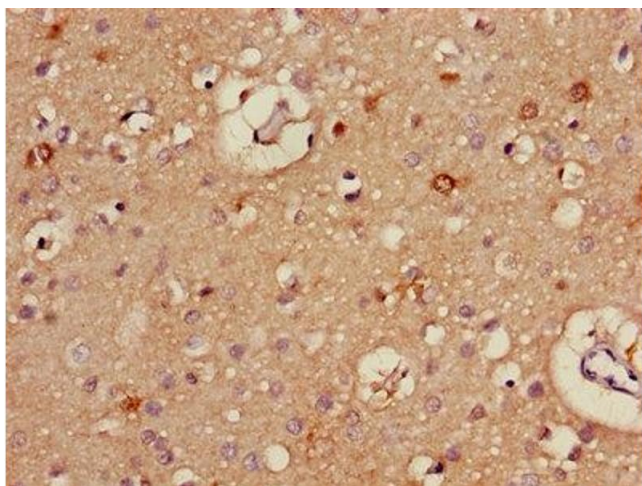
Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

Preservative: ProClin

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

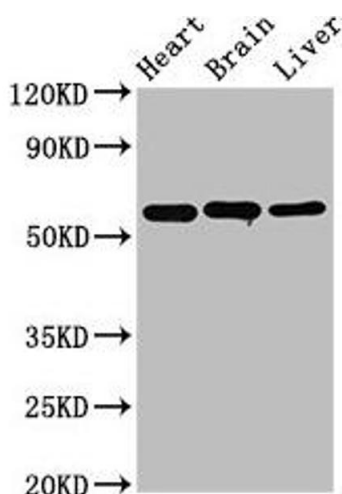
Storage: -20 °C,-80 °C

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



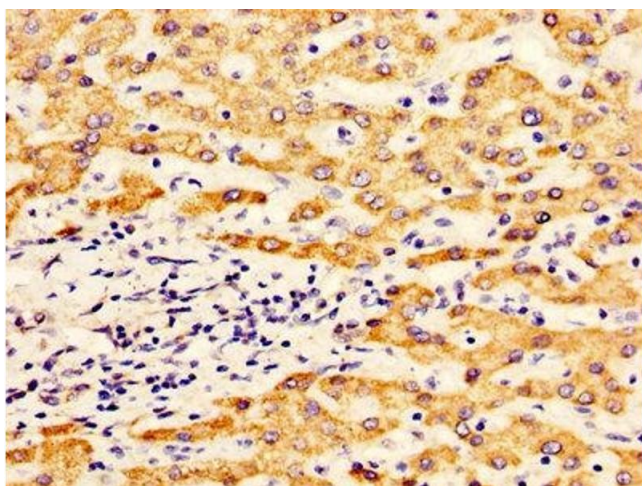
Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded human brain tissue using ABIN7170921 at dilution of 1:100



Western Blotting

Image 2. Western Blot Positive WB detected in: Rat heart tissue, Rat brain tissue, Mouse liver tissue All lanes: ALDH5A1 antibody at 3.2 µg/mL Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 58, 59 kDa Observed band size: 58 kDa



Immunohistochemistry

Image 3. IHC image of ABIN7170921 diluted at 1:400 and staining in paraffin-embedded human liver cancer performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN7170921.