antibodies -online.com







Alternative Name:



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Overview	
Quantity:	100 μL
Target:	ALDH7A1
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ALDH7A1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunocytochemistry (ICC),
	Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))
Product Details	
Immunogen:	Recombinant protein encompassing a sequence within the center region of human ALDH7A1.
	The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Characteristics:	Rabbit Polyclonal antibody to ALDH7A1 (aldehyde dehydrogenase 7 family, member A1)
	ALDH7A1 antibody
Purification:	Purified by antigen-affinity chromatography.
Target Details	
Target:	ALDH7A1

aldehyde dehydrogenase 7 family member A1 (ALDH7A1 Products)

Target Details

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Antiquitin is a member of subfamily 7 in the aldehyde dehydrogenase gene family. These enzymes are thought to play a major role in the detoxification of aldehydes generated by alcohol metabolism and lipid peroxidation. This particular member has homology to a previously described protein from the green garden pea, the 26g pea turgor protein. Mutations in this gene cause pyridoxine-dependent epilepsy, which involves a combination of various seizure types and is responsive to immediate administration of pyridoxine hydrochloride. Four additional human antiquitin-like sequences, all of which are pseudogenes, have also been identified.

Molecular Weight:	58 kDa
Gene ID:	501
UniProt:	P49419
Pathways:	Sensory Perception of Sound

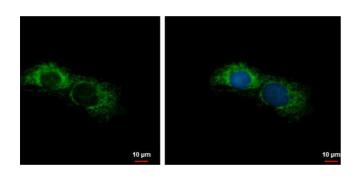
Application Details

Comment:	Positive Control: HepG2
	should be determined by the researcher. Not tested in other applications.
Application Notes:	WB: 1:500-1:3000. ICC/IF: 1:100-1:1000. IHC-P: 1:100-1:1000. Optimal dilutions/concentrations

Restrictions: For Research Use only

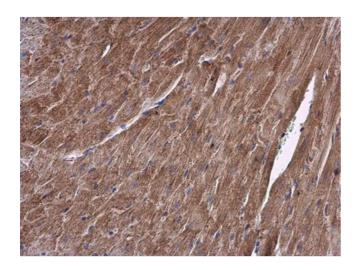
Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	1XPBS (pH 7), 1 % BSA, 20 % Glycerol, 0.01 % Thimerosal
Preservative:	Thimerosal (Merthiolate)
Precaution of Use:	This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.



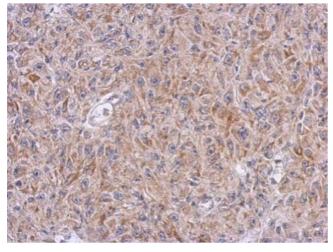
Immunofluorescence

Image 1. ICC/IF Image ALDH7A1 antibody detects ALDH7A1 protein at mitochondria by immunofluorescent analysis. Sample: HepG2 cells were fixed in 2% paraformaldehyde/culture medium at 37°C for 30 min. Green: ALDH7A1 protein stained by ALDH7A1 antibody, diluted at 1:500. Blue: Hoechst 33342 staining.



Immunohistochemistry

Image 2. IHC-P Image ALDH7A1 antibody detects ALDH7A1 protein at cytoplasm in mouse heart by immunohistochemical analysis. Sample: Paraffin-embedded mouse heart. ALDH7A1 antibody, diluted at 1:500.



Immunohistochemistry

Image 3. IHC-P Image Immunohistochemical analysis of paraffin-embedded Mahlarvu xenograft, using ALDH7A1, antibody at 1:500 dilution.

Please check the product details page for more images. Overall 4 images are available for ABIN2855662.