Datasheet for ABIN7306160

anti-ALDH4A1 antibody

3 Images

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Overview

Quantity:	100 µL
Target:	ALDH4A1
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ALDH4A1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunochromatography (IC)

Product Details

Immunogen:	Recombinant full length protein of human ALDH4A1
Specificity:	Recognizes endogenous levels of ALDH4A1 protein.
Characteristics:	Rabbit polyclonal antibody to ALDH4A1
Purification:	The antibody was purified by immunogen affinity chromatography.

Target Details

Target:	ALDH4A1
Alternative Name:	ALDH4A1 (ALDH4A1 Products)
Background:	ALDH4, P5CDH, Delta-1-pyrroline-5-carboxylate dehydrogenase, mitochondrial, P5C dehydrogenase, Aldehyde dehydrogenase family 4 member A1, L-glutamate gamma-semialdehyde dehydrogenase

Target Details

Gene ID:	8659, 212647
UniProt:	P30038, Q8CHT0, P0C2X9
Pathways:	Monocarboxylic Acid Catabolic Process

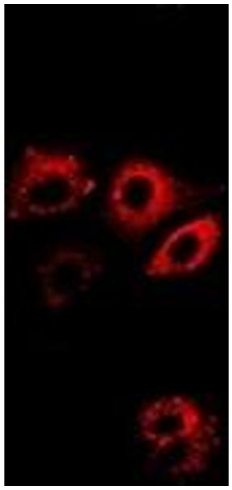
Application Details

Application Notes:	WB (1:500 - 1:2000), IH (1:50 - 1:200), IF/IC (1:50 - 1:200)
Restrictions:	For Research Use only

Handling

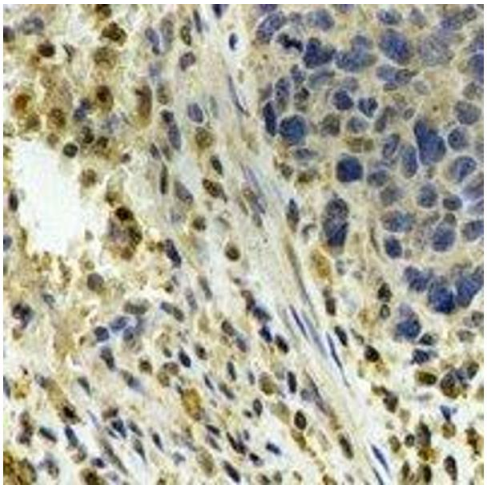
Format:	Liquid
Buffer:	Liquid in 0.42 % Potassium phosphate, 0.87 % Sodium chloride, pH 7.3, 30 % glycerol, and 0.01 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Shipped at 4°C. Upon delivery aliquot and store at -20°C for one year. Avoid freeze/thaw cycles.
Expiry Date:	12 months

Images



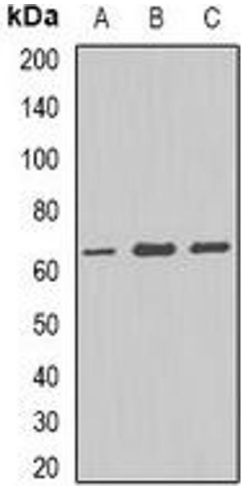
Immunofluorescence

Image 1. Immunofluorescent analysis of ALDH4A1 staining in A549 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibod



Immunohistochemistry

Image 2. Immunohistochemical analysis of ALDH4A1 staining in human esophageal cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incuba



Western Blotting

Image 3. Western blot analysis of ALDH4A1 expression in K562 (A), A549 (B), mouse kidney (C) whole cell lysates.

