Datasheet for ABIN6259148

anti-PDHA1 antibody (C-Term)

3 Images

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Overview

Quantity:	100 µL
Target:	PDHA1
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PDHA1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF), Immunocytochemistry (ICC)

Product Details

Immunogen:	A synthesized peptide derived from human PDHA1, corresponding to a region within C-terminal amino acids.
Isotype:	IgG
Specificity:	PDHA1 Antibody detects endogenous levels of total PDHA1.
Predicted Reactivity:	Pig,Bovine,Horse,Sheep,Rabbit,Chicken,Xenopus
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).

Target Details

Target:	PDHA1

Target Details

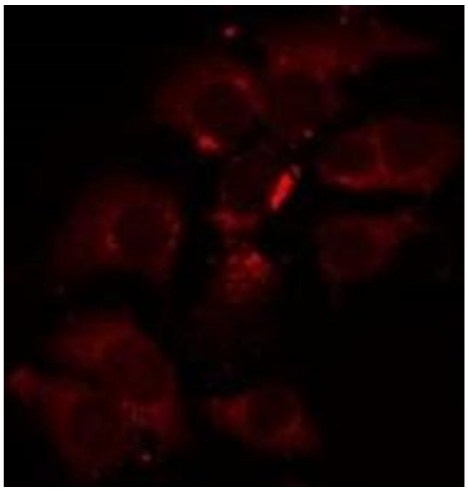
Alternative Name:	PDHA1 (PDHA1 Products)
Background:	Description: The pyruvate dehydrogenase complex catalyzes the overall conversion of pyruvate to acetyl-CoA and CO2, and thereby links the glycolytic pathway to the tricarboxylic cycle. Gene: PDHA1
Molecular Weight:	43 kDa
Gene ID:	5160
UniProt:	P08559
Pathways:	Warburg Effect

Application Details

Application Notes:	WB 1:500-1:1000, IHC: 1:50-1:200, IF/ICC 1:100-1:500, ELISA(peptide) 1:20000-1:40000
Restrictions:	For Research Use only

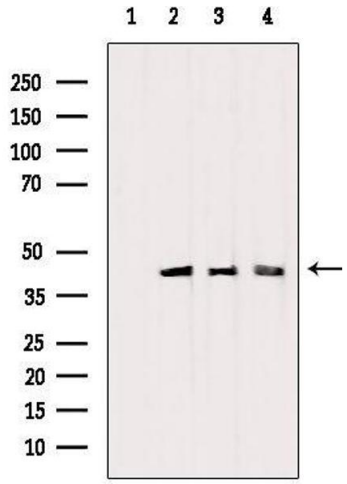
Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % 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
Storage Comment:	Store at -20 °C. Stable for 12 months from date of receipt.
Expiry Date:	12 months



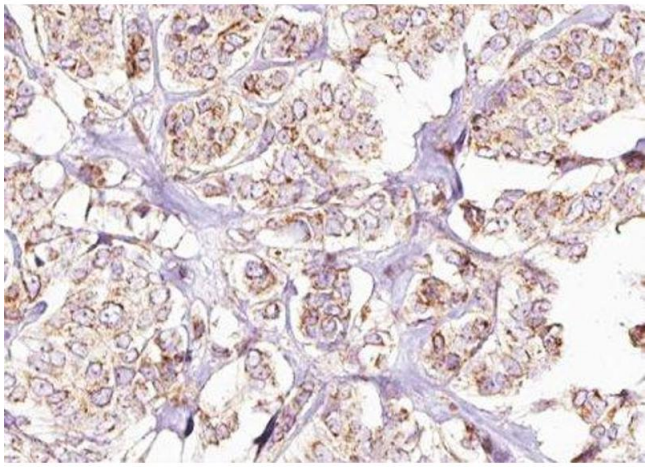
Immunofluorescence (fixed cells)

Image 1. ABIN6275431 staining A549 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100,then blocked in 10% serum for 45 minutes at 25¡ãC. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37¡ãC. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibod



Western Blotting

Image 2. Western blot analysis of extracts from various samples, using PDHA1 Antibody. Lane 1: Sp2/0 treated with blocking peptide. Lane 2: Sp2/0; Lane 3: 293; Lane 4: Hela;



Immunohistochemistry

Image 3. ABIN6275431 at 1/100 staining Human breast cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22¡ãC. An HRP conjugated goat anti-rabbit antibody was used as the secondary