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Datasheet for ABIN7259915 anti-PDHA1 antibody

6 Images



Overview

Quantity:	200 µL
Target:	PDHA1
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PDHA1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant fusion protein of human PDHA1 (NP_000275.1).
lsotype:	lgG
Characteristics:	Polyclonal Antibody
Purification:	Affinity purification

Target Details

Target:	PDHA1
Alternative Name:	PDHA1 (PDHA1 Products)
Background:	The pyruvate dehydrogenase (PDH) complex is a nuclear-encoded mitochondrial multienzyme complex that catalyzes the overall conversion of pyruvate to acetyl-CoA and CO(2), and provides the primary link between glycolysis and the tricarboxylic acid (TCA) cycle. The PDH complex is composed of multiple copies of three enzymatic components: pyruvate

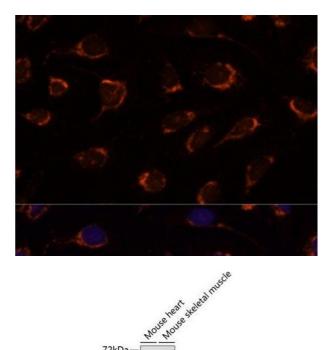
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Target Details

	dehydrogenase (E1), dihydrolipoamide acetyltransferase (E2) and lipoamide dehydrogenase
	(E3). The E1 enzyme is a heterotetramer of two alpha and two beta subunits. This gene
	encodes the E1 alpha 1 subunit containing the E1 active site, and plays a key role in the function
	of the PDH complex. Mutations in this gene are associated with pyruvate dehydrogenase E1-
	alpha deficiency and X-linked Leigh syndrome. Alternatively spliced transcript variants encoding
	different isoforms have been found for this gene.
Molecular Weight:	Observed_MW: 45 kDa
	Calculated_MW: 40 kDa/43 kDa/44 kDa/47 kDa
Gene ID:	5160
UniProt:	P08559
Pathways:	Warburg Effect
Application Details	
Application Notes:	WB 1:500-1:2000 IHC 1:50-1:200 IF 1:50-1:200
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3
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. Avoid freeze / thaw cycles.



Nouse

PDHA1

72kDa 55kDa

43kDa 34kDa 26kDa

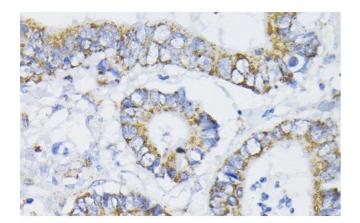
17kDa

Immunofluorescence

Image 1. Immunofluorescence analysis of U-2 OS cells using PDHA1 Polyclonal Antibody at dilution of 1:100. Blue: DAPI for nuclear staining.

Western Blotting

Image 2. Western blot analysis of extracts of various cell lines using PDHA1 Polyclonal Antibody at dilution of 1:1000.



Immunohistochemistry (Paraffin-embedded Sections)

Image 3. Immunohistochemistry of paraffin-embedded Human colon carcinoma using PDHA1 Polyclonal Antibody at dilution of 1:200 (40x lens).

Please check the product details page for more images. Overall 6 images are available for ABIN7259915.

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