

PDHA1 Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP51420

Specification

PDHA1 Antibody - Product Information

Application	WB
Primary Accession	P08559
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	43 KDa
Antigen Region	291 - 350

PDHA1 Antibody - Additional Information

Gene ID 5160

Other Names

Pyruvate dehydrogenase E1 component subunit alpha, somatic form, mitochondrial, PDHE1-A type I, PDHA1, PHE1A

Target/Specificity

KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human PDHA1. The exact sequence is proprietary.

Dilution

WB~~ 1:1000

Format

0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

Storage

Store at -20 °C. Stable for 12 months from date of receipt

PDHA1 Antibody - Protein Information

Name PDHA1

Synonyms PHE1A

Function

The pyruvate dehydrogenase complex catalyzes the overall conversion of pyruvate to acetyl-CoA and CO(2), and thereby links the glycolytic pathway to the tricarboxylic cycle.

Cellular Location

Mitochondrion matrix.

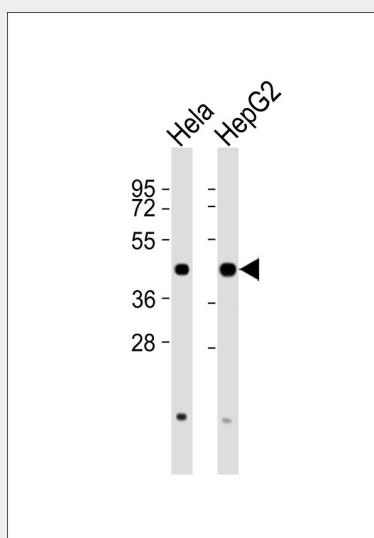
Tissue Location

Ubiquitous.

PDHA1 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

PDHA1 Antibody - Images

All lanes : Anti-PDHA1 Antibody at 1:1000 dilution Lane 1: HeLa whole cell lysates Lane 2: HepG2 whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 43 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

PDHA1 Antibody - Background

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.

PDHA1 Antibody - References

- Koike K., et al. Gene 93:307-311(1990).
Ho L., et al. Proc. Natl. Acad. Sci. U.S.A. 86:5330-5334(1989).
Huh T.L., et al. Submitted (APR-1990) to the EMBL/GenBank/DDBJ databases.
Dahl H.-H.M., et al. J. Biol. Chem. 262:7398-7403(1987).
Maragos C., et al. J. Biol. Chem. 264:12294-12298(1989).