

PDHA2 Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP10756c

Specification

PDHA2 Antibody (Center) - Product Information

Application	IHC-P, WB,E
Primary Accession	P29803
Other Accession	NP_005381.1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	42933
Antigen Region	287-314

PDHA2 Antibody (Center) - Additional Information

Gene ID 5161

Other Names

Pyruvate dehydrogenase E1 component subunit alpha, testis-specific form, mitochondrial, PDHE1-A type II, PDHA2, PDHAL

Target/Specificity

This PDHA2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 287-314 amino acids from the Central region of human PDHA2.

Dilution

IHC-P~~1:50~100

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

PDHA2 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

PDHA2 Antibody (Center) - Protein Information

Name PDHA2

Synonyms PDHAL

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.

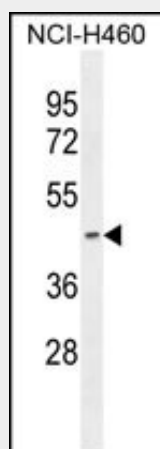
Tissue Location

Testis. Expressed in postmeiotic spermatogenic cells.

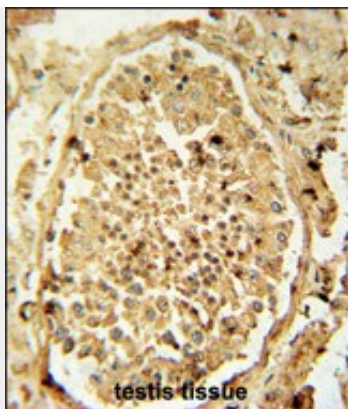
PDHA2 Antibody (Center) - Protocols

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](#)

PDHA2 Antibody (Center) - Images

PDHA2 Antibody (Center) (Cat. #AP10756c) western blot analysis in NCI-H460 cell line lysates (35ug/lane). This demonstrates the PDHA2 antibody detected the PDHA2 protein (arrow).



PDHA2 antibody (Center) (Cat. #AP10756c) immunohistochemistry analysis in formalin fixed and paraffin embedded human testis tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the PDHA2 antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.

PDHA2 Antibody (Center) - Background

The pyruvate dehydrogenase complex catalyzes the overall conversion of pyruvate to acetyl-CoA and CO₂. It contains multiple copies of three enzymatic components: pyruvate dehydrogenase (E1), dihydrolipoamide acetyltransferase (E2) and lipoamide dehydrogenase (E3).

PDHA2 Antibody (Center) - References

- Pinheiro, A., et al. Mol. Genet. Metab. 99(4):425-430(2010)
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