

PDHA2 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP10756c

Product Information

Application	WB, IHC-P, E
Primary Accession	P29803
Other Accession	NP_005381.1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB24679
Calculated MW	42933
Antigen Region	287-314

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	WB~~1:1000 IHC-P~~1:100~500 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.

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.

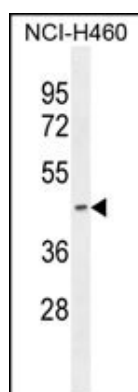
Background

The pyruvate dehydrogenase complex catalyzes the overall conversion of pyruvate to acetyl-CoA and CO(2). It contains multiple copies of three enzymatic components: pyruvate dehydrogenase (E1), dihydrolipoamide acetyltransferase (E2) and lipoamide dehydrogenase (E3).

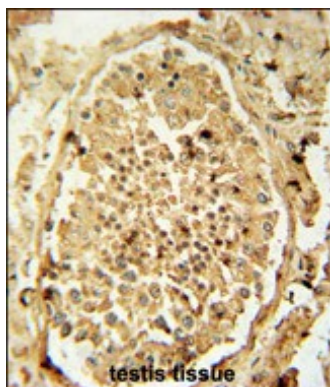
References

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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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.