

**PDHE1A(S232) Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP22387a**

**Specification**

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**PDHE1A(S232) Antibody - Product Information**

Application	WB,E
Primary Accession	<a href="#">P08559</a>
Other Accession	<a href="#">A7MB35</a> , <a href="#">Q8HXW9</a> , <a href="#">P35486</a> , <a href="#">P29804</a> , <a href="#">P26284</a>
Reactivity	Human, Mouse, Rat
Predicted	Bovine, Monkey, Pig
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Calculated MW	43296

**PDHE1A(S232) Antibody - Additional Information**

**Gene ID** 5160

**Other Names**

Pyruvate dehydrogenase E1 component subunit alpha, somatic form, mitochondrial, 1.2.4.1, PDHE1-A type I, PDHA1, PHE1A

**Target/Specificity**

This PDHE1A(S232) antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 206-237 amino acids from the human region of human PDHE1A(S232).

**Dilution**

WB~~1:2000

**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**

PDHE1A(S232) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**PDHE1A(S232) Antibody - Protein Information**

**Name** PDHA1

**Synonyms** PHE1A

**Function** The pyruvate dehydrogenase complex catalyzes the overall conversion of pyruvate to acetyl-CoA and CO<sub>2</sub>, and thereby links the glycolytic pathway to the tricarboxylic cycle.

**Cellular Location**  
Mitochondrion matrix.

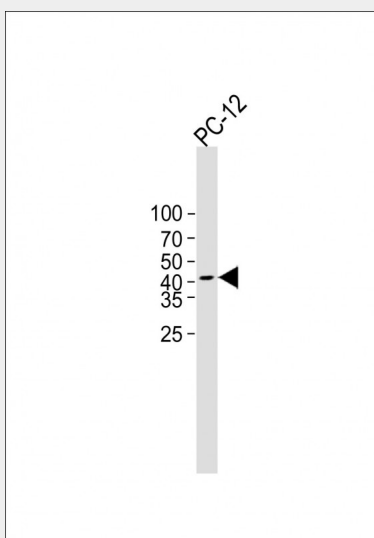
**Tissue Location**  
Ubiquitous.

### PDHE1A(S232) Antibody - Protocols

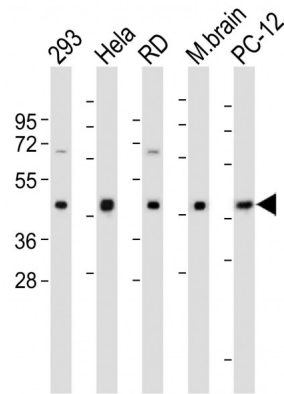
Provided below are standard protocols that you may find useful for product applications.

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

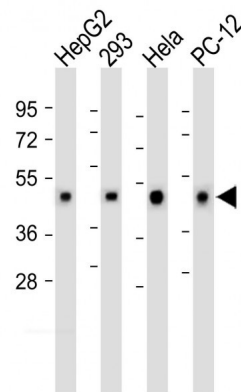
### PDHE1A(S232) Antibody - Images



All lanes: Anti-PDHE1A(S232) Antibody at 1:2000 dilution + PC-12 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary: Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (ASP1615) at 1/15000 dilution. Observed band size: 43 KDa Blocking/Dilution buffer: 5% NFDM/TBST.



All lanes : Anti-PDHE1A(S232) Antibody at 1:2000 dilution Lane 1: 293 whole cell lysate Lane 2: HeLa whole cell lysate Lane 3: RD whole cell lysate Lane 4: Mouse brain whole lysate Lane 5: PC-12 whole cell lysate 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.



All lanes : Anti-PDHE1A(S232) Antibody at 1:2000 dilution Lane 1: HepG2 whole cell lysate Lane 2: 293 whole cell lysate Lane 3: HeLa whole cell lysate Lane 4: PC-12 whole cell lysate 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.

### PDHE1A(S232) Antibody - Background

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

### PDHE1A(S232) 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).