

## Anti-Phospho-PDHA1 (S293) Rabbit Monoclonal Antibody Catalog # ABO15955

### Specification

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#### Anti-Phospho-PDHA1 (S293) Rabbit Monoclonal Antibody - Product Information

|                   |                        |
|-------------------|------------------------|
| Application       | WB, IHC, IP            |
| Primary Accession | <a href="#">P08559</a> |
| Host              | Rabbit                 |
| Isotype           | IgG                    |
| Reactivity        | Rat, Human, Mouse      |
| Clonality         | Monoclonal             |
| Format            | Liquid                 |

#### Description

Anti-Phospho-PDHA1 (S293) Rabbit Monoclonal Antibody . Tested in WB, IHC, IP applications. This antibody reacts with Human, Mouse, Rat.

#### Anti-Phospho-PDHA1 (S293) Rabbit Monoclonal 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

#### Calculated MW

43 kDa KDa

#### Application Details

WB 1:500-1:2000<br>IHC 1:50-1:200<br>IP 1:50

#### Contents

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

#### Immunogen

A synthesized peptide derived from human Phospho-PDHA1 (S293)

#### Purification

Affinity-chromatography

#### Storage

Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

#### Anti-Phospho-PDHA1 (S293) Rabbit Monoclonal 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.

## Anti-Phospho-PDHA1 (S293) Rabbit Monoclonal 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](#)

## Anti-Phospho-PDHA1 (S293) Rabbit Monoclonal Antibody - Images

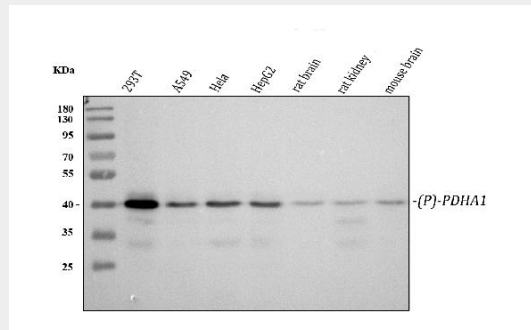


Figure 1. Western blot analysis of PDHA1 using anti-PDHA1 antibody (P01906).

Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

Lane 1: human 293T whole cell lysates,  
Lane 2: human A549 whole cell lysates,  
Lane 3: human Hela whole cell lysates,  
Lane 4: human HepG2 whole cell lysates,  
Lane 5: rat brain tissue lysates,  
Lane 6: rat kidney tissue lysates,  
Lane 7: mouse brain tissue lysates.

After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with mouse anti-PDHA1 antigen affinity purified monoclonal antibody (Catalog # P01906) at 1:500 overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-mouse IgG-HRP secondary antibody at a dilution of 1:10000 for

1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for PDHA1 at approximately 43 kDa. The expected band size for PDHA1 is at 43 kDa.