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Anti-Phospho-PDHA1 (S293) Rabbit Monoclonal Antibody

Catalog # ABO15955

Specification

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

Application	**WB, IHC, IP**
Primary Accession	P08559
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
IHC 1:50-1:200
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(2), 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 Cytomety
- Cell Culture

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

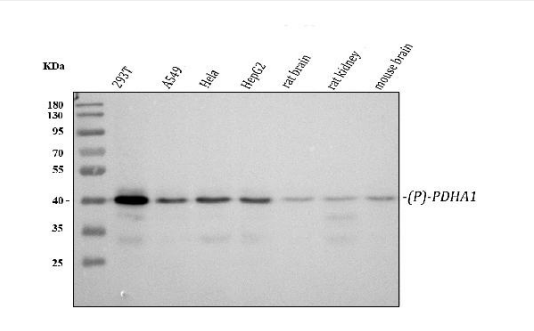

Figure 1. Western blot analysis of PDHA1 using anti-PDHA1 antibody (P01906).
Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.
Lane 1: human 293T whole 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.