

## Phospho-PDHA1-S293 Monoclonal Antibody

**CABP1022**

### Description

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This Phospho-PDHA1-S293 Monoclonal Antibody is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

### Product Information

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<b>SKU:</b>	CABP1022
<b>Contents:</b>	20 µL, 100 µL Bradford Reagent: 1 vial (2ml)
<b>Category:</b>	Monoclonal Antibody
<b>Synonyms:</b>	PDHA, PDHAD, PHE1A, E1alpha, PDHCE1A, Phospho-PDHA1-S293
<b>Clone:</b>	ARC53489
<b>Applications:</b>	<b>WB</b> <b>IP</b> <b>ELISA</b>
<b>Conjugation:</b>	Unconjugated
<b>Reactivity:</b>	Human, Mouse, Rat

### Antibody Data

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<b>Gene ID:</b>	5160
<b>Uniprot:</b>	AB_2863907
<b>Host Species:</b>	Rabbit
<b>Purification:</b>	Affinity purification
<b>Observed MW:</b>	43 kDa
<b>Calculated MW:</b>	43 kDa

## Preparation & Storage

**Storage:** Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

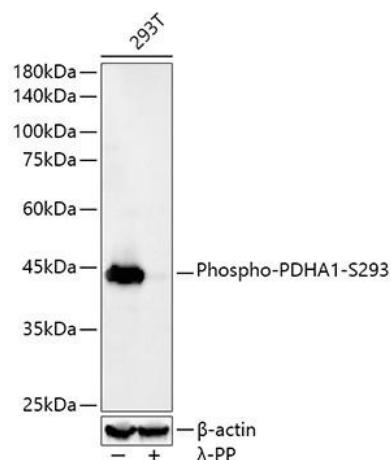
Store Bradford Reagent at Room Temperature for 1 Year.

**Positive Sample:** NIH/3T3, 293T, Rat kidney

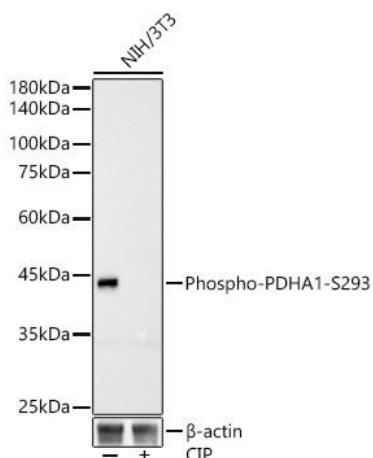
<b>Recommended Dilutions:</b>	<b>WB</b>	1:5000 - 1:40000
	<b>IP</b>	0.5µg-4µg antibody for 200µg-400µg extracts of whole cells
	<b>ELISA</b>	Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

**Protein Quantification (Optional):** To quantify total protein levels, use the Bradford Reagent included in this kit. Visit <https://www.assaygenie.com/bradford-protein-assay-protocol/> to view the full protocol

## Validation Data



Western blot analysis of lysates from HeLa cells, using Phospho-PDHA1- Rabbit mAb (CABP1022) at 1:23000 dilution. 293T cells were treated by λ-PP mixed solution (1ul) at 30°C for 30 minutes. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (AbGn00020). Exposure time: 30s.



Western blot analysis of lysates from NIH/3T3 cells, using Phospho-PDHA1- Rabbit mAb (CABP1022) at 1:23000 dilution. NIH/3T3 cells were treated by CIP(20ul/400ul) at 37°C for 1 hour. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25μg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (AbGn00020). Exposure time: 30s.