

## Rabbit Phospho-PDHE1A (S232) Polyclonal Antibody | anti-PDHA1 antibody

Phospho-PDHE1A (S232) Antibody

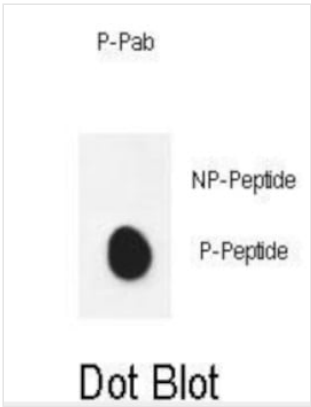
| CATALOG # | HOST   | REACTIVITY                                                    | APPLICATIONS                  |
|-----------|--------|---------------------------------------------------------------|-------------------------------|
| AAA285709 | Rabbit | Human (Predicted Reactivity: Bovine, Monkey, Mouse, Pig, Rat) | Western Blot, ELISA, Dot Blot |

### PRODUCT SYNONYMS

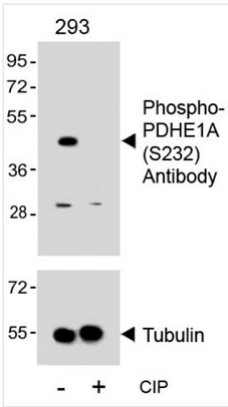
Phospho-PDHE1A (S232); Polyclonal Antibody; Phospho-PDHE1A (S232) Antibody; Pyruvate dehydrogenase E1 component subunit alpha; somatic form; mitochondrial; PDHE1-A type I; PDHA1; PHE1A; anti-PDHA1 antibody

### PRODUCT SPECIFICATIONS

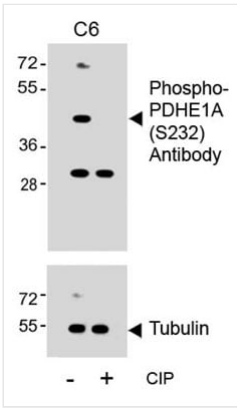
|                                                 |                                                                                                                                                                                          |
|-------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                                                                   |
| Reactivity                                      | Human (Predicted Reactivity: Bovine, Monkey, Mouse, Pig, Rat)                                                                                                                            |
| Clonality                                       | Polyclonal                                                                                                                                                                               |
| Isotype                                         | Rabbit IgG                                                                                                                                                                               |
| Specificity                                     | This PDHE1A Antibody is generated from rabbits immunized with a KLH conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding S232 of human PDHE1A.           |
| Purity/Purification                             | This antibody is purified through a protein A column, followed by peptide affinity purification.                                                                                         |
| Form/Format                                     | Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.                                                                                                              |
| Sequence Length                                 | 390                                                                                                                                                                                      |
| Applicable Applications for anti-PDHA1 antibody | WB (Western Blot), ELISA, DB (Dot Blot)                                                                                                                                                  |
| 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.                                                                                                                                                                              |
| Preparation and 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.                                                  |



**DB (Dot Blot)**  
Dot blot analysis of anti-mPDHE1A-S232 Phospho-specific Pab on nitrocellulose membrane. 50ng of Phospho-peptide or Non Phospho-peptide per dot were adsorbed. Antibody working concentrations are 0.6ug per ml.



**WB (Western Blot)**  
Western blot analysis of lysates from 293 cell line, untreated or treated with CIP, 100ng/ml, using Phospho-PDHE1A(S232) Antibody(upper) or Tubulin (lower).



**WB (Western Blot)**  
Western blot analysis of lysates from C6 cell line, untreated or treated with CIP, 100ng/ml, using Phospho-PDHE1A(S232) Antibody(upper) or Tubulin (lower).

ADDITIONAL INFORMATION

|                                                   |                                          |
|---------------------------------------------------|------------------------------------------|
| Product Categories/Family for anti-PDHA1 antibody | Cancer; Neuroscience; Phospho Antibodies |
|---------------------------------------------------|------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                |
|----------------------------------|------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 4505685                                                                                        |
| NCBI GeneID                      | 5160                                                                                           |
| NCBI Accession #                 | NP_000275.1; NP_001166925.1; NP_001166926.1; NP_001166927.1                                    |
| NCBI GenBank Nucleotide #        | NM_000284.3                                                                                    |
| UniProt Accession #              | P08559; Q53H41; Q5JPT8; Q9NP12; Q9UBJ8; Q9UBU0; Q9UNG4; Q9UNG5; A5YVE9; B2R5P7; B7Z3T7; B7Z3X5 |
| NCBI Official Full Name          | pyruvate dehydrogenase E1 component subunit alpha, somatic form, mitochondrial isoform 1       |
| NCBI Official Synonym Full Names | pyruvate dehydrogenase (lipoamide) alpha 1                                                     |
| NCBI Official Symbol             | PDHA1                                                                                          |
| NCBI Official Synonym Symbols    | PDHA; PDHAD; PHE1A; PDHCE1A                                                                    |

|                            |                                                                                |
|----------------------------|--------------------------------------------------------------------------------|
| NCBI Protein Information   | pyruvate dehydrogenase E1 component subunit alpha, somatic form, mitochondrial |
| UniProt Protein Name       | Pyruvate dehydrogenase E1 component subunit alpha, somatic form, mitochondrial |
| UniProt Gene Name          | <b>PDHA1</b>                                                                   |
| UniProt Synonym Gene Names | PHE1A                                                                          |
| UniProt Entry Name         | ODPA_HUMAN                                                                     |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://stage.aaabiotech.com/polyclonal/phospho-pdhe1a-s232-antibody-western-blot-dot-blot-elisa/285709>