

Rabbit BDHA1 Polyclonal Antibody | anti-PDHA1 antibody

BDHA1 Antibody (Center)

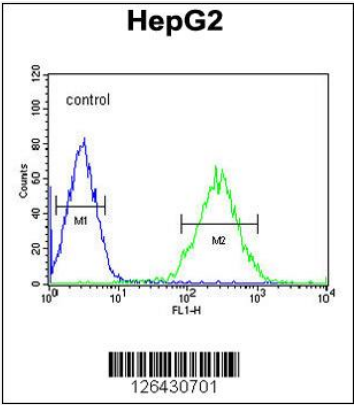
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA286030	Rabbit	Human (Predicted Reactivity: Bovine, Monkey, Mouse, Pig, Rat)	Flow Cytometry, Functional Assay, ELISA, Western Blot

PRODUCT SYNONYMS

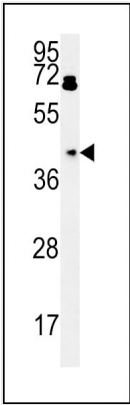
BDHA1; Polyclonal Antibody; BDHA1 Antibody (Center); Pyruvate dehydrogenase E1 component subunit alpha; somatic form; mitochondrial; PDHE1-A type I; PDHA1; PHE1A; anti-PDHA1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Bovine, Monkey, Mouse, Pig, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This BDHA1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 228-255 amino acids from the Central region of human BDHA1.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/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.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	228-255
Sequence Length	390
Applicable Applications for anti-PDHA1 antibody	FCM/FACS (Flow Cytometry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



FCM/FACS (Flow Cytometry)
BDHA1 Antibody (Center) flow cytometric analysis of HepG2 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



WB (Western Blot)
BDHA1 Antibody (Center) western blot analysis in HepG2 cell line lysates (15ug/lane). This demonstrates the BDHA1 antibody detected the BDHA1 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-PDHA1 antibody	The pyruvate dehydrogenase (PDH) complex is a nuclear-encoded mitochondrial multienzyme complex that catalyzes the overall conversion of pyruvate to acetyl-CoA and CO(2), and provides the primary link between glycolysis and the tricarboxylic acid (TCA) cycle. The PDH complex is composed of multiple copies of three enzymatic components: pyruvate dehydrogenase (E1), dihydrolipoamide acetyltransferase (E2) and lipoamide dehydrogenase (E3). The E1 enzyme is a heterotetramer of two alpha and two beta subunits. This gene encodes the E1 alpha 1 subunit containing the E1 active site, and plays a key role in the function of the PDH complex.
Product Categories/Family for anti-PDHA1 antibody	Cancer; Metabolism; Signal Transduction
References	Glushakova, L.G., et al. Mol. Genet. Metab. 98(3):289-299(2009) Joao Silva, M., et al. Eur. J. Pediatr. 168(1):17-22(2009) Boichard, A., et al. Mol. Genet. Metab. 93(3):323-330(2008)

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
Molecular Weight	43296
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	PDHA1
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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/bdha1-antibody-flow-cytometry-western-blot-elisa/286030>