

Mouse anti-Human, Mouse Pyruvate Dehydrogenase Monoclonal Antibody | anti-PDHA antibody

Pyruvate Dehydrogenase Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA111292	Mouse	Human, Mouse	Immunocytochemistry, Western Blot

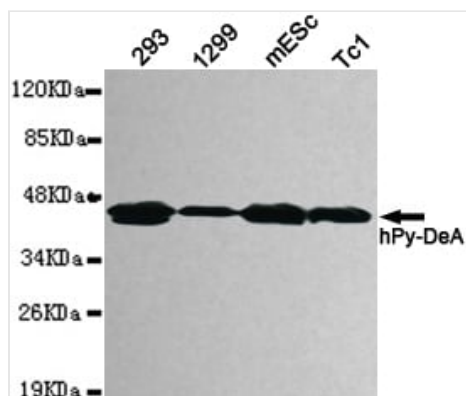
PRODUCT SYNONYMS

Pyruvate Dehydrogenase; Monoclonal Antibody; Pyruvate Dehydrogenase Antibody; PHE1A; PDHCE1A; anti-PDHA antibody

PRODUCT SPECIFICATIONS

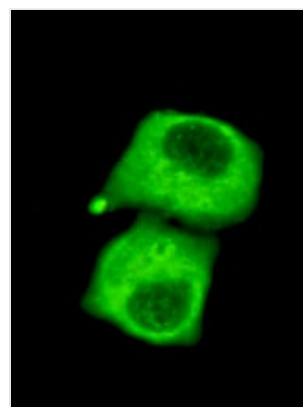
Host	Mouse
Reactivity	Human, Mouse
Clonality	Monoclonal
Isotype	IgG1
Specificity	This antibody detects endogenous levels Pyruvate Dehydrogenase and does not cross-react with related proteins.
Purity/Purification	Affinity purified
Form/Format	Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.2% sodium azide, 50%, glycerol
Sequence Length	390
Applicable Applications for anti-PDHA antibody	ICC (Immunocytochemistry), WB (Western Blot)
Immunogen	Purified recombinant human Pyruvate Dehydrogenase protein fragments expressed in E Coli.
Cellular Localization	Mitochondrion matrix

IMAGES



Application Data

Western blot detection of Pyruvate Dehydrogenase (C-terminus) antibody in 293, 1299, mEsc & Tc1 cell lysates using Pyruvate Dehydrogenase (C-terminus) antibody (1:1000 diluted). Predicted band size: 43 kDa. Observed band size: 43 kDa.



Application Data

Immunocytochemistry of HeLa cells using anti-Pyruvate Dehydrogenase (C-terminus) antibody diluted 1:150.

ADDITIONAL INFORMATION

Related Product Information for anti-PDHA antibody	UniPort Summary Function: The pyruvate dehydrogenase complex catalyzes the overall conversion of pyruvate to acetyl-CoA and CO(2). It contains multiple copies of three enzymatic components: pyruvate dehydrogenase (E1), dihydrolipoamide acetyltransferase (E2) and lipoamide dehydrogenase (E3). Entrez Summary: 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. Mutations in this gene are associated with pyruvate dehydrogenase E1-alpha deficiency and X-linked Leigh syndrome. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.
Product Categories/Family for anti-PDHA antibody	Autophagy antibody; Cancer; Cardiovascular; Cell Biology; Epigenetics & Nuclear Signaling; Developmental Biologys; Immunology; Drug Discovery Products; Metabolism; Neuroscience; Signal Transduction; Stem Cells

NCBI AND UNIPROT INFORMATION

NCBI GI #	4505685
NCBI GeneID	5160
NCBI Accession #	NP_000275.1
NCBI GenBank Nucleotide #	NM_000284
UniProt Accession #	P08559; Q53H41; Q5JPT8; Q9NP12; Q9UBJ8; Q9UBU0; Q9UNG4; Q9UNG5; A5YVE9; B2R5P7; B7Z3T7; B7Z3X5
Molecular Weight	43kDa
NCBI Official Full Name	pyruvate dehydrogenase E1 component subunit alpha, somatic form, mitochondrial isoform 1
NCBI Official Synonym Full Names	pyruvate dehydrogenase E1 alpha 1 subunit
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

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.