

Rabbit anti-Human Pyruvate Dehydrogenase E1 alpha Polyclonal Antibody | anti-PDHA1 antibody

Pyruvate Dehydrogenase E1 alpha antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA302403	Rabbit	Human	Immunofluorescence, Western Blot

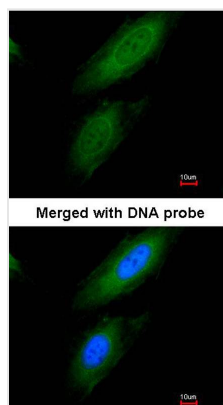
PRODUCT SYNONYMS

Pyruvate Dehydrogenase E1 alpha; Polyclonal Antibody; Pyruvate Dehydrogenase E1 alpha antibody; anti-PDHA1 antibody

PRODUCT SPECIFICATIONS

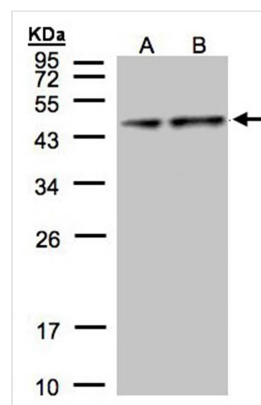
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Purified by antigen-affinity chromatography.
Form/Format	Supplied in 0.1M Tris-buffered saline with 10% Glycerol (pH7.0). 0.01% Thimerosal was added as a preservative.
Sequence Length	390
Applicable Applications for anti-PDHA1 antibody	IF (Immunofluorescence), WB (Western Blot)
Immunogen Type	Recombinant protein
Immunogen Description	Recombinant protein fragment contain a sequence corresponding to a region within amino acids 39 and 295 of Pyruvate Dehydrogenase E1 alpha
Target Name	Pyruvate Dehydrogenase E1 alpha
Preparation and Storage	Store at -20 degree C for long term preservation (recommended). Store at 4 degree C for short term use.

IMAGES



IF (Immunofluorescence)

Immunofluorescence analysis of paraformaldehyde-fixed HeLa, using Pyruvate Dehydrogenase E1 alpha antibody at 1: 200 dilution.



Application Data

Sample(30 ug of whole cell lysate)A: Hep G2B: MOLT412% SDS PAGEPrimary antibody diluted at 1: 1000

ADDITIONAL INFORMATION

Related Product Information for anti-PDHA1 antibody	The pyruvate dehydrogenase complex is a nuclear-encoded mitochondrial matrix multienzyme complex that provides the primary link between glycolysis and the tricarboxylic acid (TCA) cycle by catalyzing the irreversible conversion of pyruvate into acetyl-CoA. The PDH complex is composed of multiple copies of 3 enzymes: E1 (PDHA1); dihydrolipoyl transacetylase (DLAT; MIM 608770) (E2; EC 2.3.1.12); and dihydrolipoyl dehydrogenase (DLD; MIM 238331) (E3; EC 1.8.1.4). The E1 enzyme is a heterotetramer of 2 alpha and 2 beta subunits. The E1-alpha subunit contains the E1 active site and plays a key role in the function of the PDH complex (Brown et al., 1994 [PubMed 7853374]).[supplied by OMIM]
Product Categories/Family for anti-PDHA1 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	4505685
NCBI GeneID	5160
NCBI Accession #	NP_000275
NCBI GenBank Nucleotide #	NM_000284.3
Molecular Weight	47,580 Da
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/pyruvate-dehydrogenase-e1-alpha-antibody-immunofluorescence-western-blot-elisa/302403>