



Anti-PDHA1 monoclonal antibody, clone 9E21F7 (DCABH-304)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Mouse monoclonal to Pyruvate Dehydrogenase E1-alpha subunit
Antigen Description	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).
Immunogen	Human Pyruvate Dehydrogenase E1-alpha subunit.
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Mouse, Rat, Cow, Human, C. elegans, Fruit fly
Clone	9E21F7
Purification	This antibody was produced in vitro using hybridomas grown in serum-free medium, and then purified by biochemical fractionation.
Conjugate	Unconjugated
Applications	WB, ICC/IF, Flow Cyt
Positive Control	Isolated mitochondria from Human, Bovine, Rat, Mouse heart, HepG2 cell lysate; HeLa and HL60 cells.
Format	Liquid
Size	100 µg

Buffer	Preservative: 0.02% Sodium azide; Constituent: HBS
Preservative	0.02% Sodium Azide
Storage	Store at +4°C. Do not freeze.

GENE INFORMATION

Gene Name	PDHA1 pyruvate dehydrogenase (lipoamide) alpha 1 [Homo sapiens]
Official Symbol	PDHA1
Synonyms	PDHA1; pyruvate dehydrogenase (lipoamide) alpha 1; PDHA; pyruvate dehydrogenase E1 component subunit alpha, somatic form, mitochondrial; PDHE1-A type I; pyruvate dehydrogenase complex, E1-alpha polypeptide 1; PHE1A; PDHCE1A;
Entrez Gene ID	5160
Protein Refseq	NP_000275
UniProt ID	A0A024RBX9
Chromosome Location	Xp22.1
Pathway	Acetylcholine Synthesis, organism-specific biosystem; Butanoate metabolism, organism-specific biosystem; Butanoate metabolism, conserved biosystem; Citrate cycle (TCA cycle), organism-specific biosystem; Citrate cycle (TCA cycle), conserved biosystem; Glycolysis / Gluconeogenesis, organism-specific biosystem; Glycolysis / Gluconeogenesis, conserved biosystem;
Function	oxidoreductase activity; oxidoreductase activity, acting on the aldehyde or oxo group of donors, disulfide as acceptor; pyruvate dehydrogenase (acetyl-transferring) activity; pyruvate dehydrogenase activity;