DLD rabbit monoclonal antibody

Catalog # H00001738-K Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human DLD peptide using ARM Technology.
Immunogen	A synthetic peptide of human DLD is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human DLD peptide by ELISA and mammalian transfected lysate by Western Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including $F(ab)_2$, IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

  Protocol Download

- ELISA

Gene Info — DLD

Entrez GeneID	1738
GeneBank Accession#	DLD
Gene Name	DLD
Gene Alias	DLDH, E3, GCSL, LAD, PHE3
Gene Description	dihydrolipoamide dehydrogenase
Omim ID	238331 248600 256000
Gene Ontology	Hyperlink
Gene Summary	This gene encodes the L protein of the mitochondrial glycine cleavage system. The L protein, also named dihydrolipoamide dehydrogenase, is also a component of the pyruvate dehydrogenase co mplex, the alpha-ketoglutarate dehydrogenase complex, and the branched-chain alpha-keto acid e dehydrogenase complex. Mutations in this gene have been identified in patients with E3-deficie nt maple syrup urine disease and lipoamide dehydrogenase deficiency. [provided by RefSeq
Other Designations	E3 component of pyruvate dehydrogenase complex, 2-oxo-glutarate complex, branched chain ket o acid dehydrogenase complex|diaphorase|dihydrolipoyl dehydrogenase|glycine cleavage syste m protein L|lipoamide dehydrogenase|lipoamide reductase|lipoyl dehydrogena

Pathway

- Biosynthesis of alkaloids derived from histidine and purine
- Biosynthesis of alkaloids derived from ornithine
- Biosynthesis of alkaloids derived from shikimate pathway
- Biosynthesis of alkaloids derived from terpenoid and polyketide
- Biosynthesis of phenylpropanoids
- Biosynthesis of plant hormones
- Biosynthesis of terpenoids and steroids
- Citrate cycle (TCA cycle)

- Glycine
- Glycolysis / Gluconeogenesis
- Metabolic pathways
- Pyruvate metabolism
- Valine

Disease

- Alzheimer disease