

DLDH rabbit pAb

Catalog No :	YT8134
Reactivity :	Human;Mouse;Rat
Applications :	IHC;WB
Target :	DLD
Gene Name :	DLD GCSL LAD PHE3
Protein Name :	Dihydrolipoyl dehydrogenase, mitochondrial (EC 1.8.1.4) (Dihydrolipoamide dehydrogenase) (Glycine cleavage system L protein)
Human Gene Id :	1738
Human Swiss Prot No :	P09622
Mouse Gene Id :	13382
Mouse Swiss Prot No :	O08749
Rat Gene Id :	298942
Rat Swiss Prot No :	Q6P6R2
Immunogen :	Synthesized peptide derived from human C-terminal DLDH
Specificity :	This antibody detects endogenous levels of DLDH at Human, Mouse,Rat
Formulation :	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500-2000 IHC 1:50-200
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Concentration : 1 mg/ml

Storage Stability : -15°C to -25°C/1 year(Do not lower than -25°C)

Molecularweight : 56kD

Function : Lipoamide dehydrogenase is a component of the glycine cleavage system as well as an E3 component of three alpha-ketoacid dehydrogenase complexes (pyruvate-, alpha-ketoglutarate-, and branched-chain amino acid-dehydrogenase complex) . The 2-oxoglutarate dehydrogenase complex is mainly active in the mitochondrion . A fraction of the 2-oxoglutarate dehydrogenase complex also localizes in the nucleus and is required for lysine succinylation of histones: associates with KAT2A on chromatin and provides succinyl-CoA to histone succinyltransferase KAT2A . In monomeric form may have additional moonlighting function as serine protease . Involved in the hyperactivation of spermatazoa during capacitation and in the spermatazoal acrosome reaction (By similarity).

Subcellular Location : Mitochondrion matrix . Nucleus . Cell projection, cilium, flagellum . Cytoplasmic vesicle, secretory vesicle, acrosome . Mainly localizes in the mitochondrion. A small fraction localizes to the nucleus, where the 2-oxoglutarate dehydrogenase complex is required for histone succinylation. .

Products Images