

## ODO2 rabbit pAb

<b>Catalog No :</b>	YT8137
<b>Reactivity :</b>	Human;Mouse;Rat
<b>Applications :</b>	IHC;WB
<b>Target :</b>	DLST
<b>Gene Name :</b>	DLST DLTS
<b>Protein Name :</b>	Dihydrolipoyllysine-residue succinyltransferase component of 2-oxoglutarate dehydrogenase complex, mitochondrial (EC 2.3.1.61) (2-oxoglutarate dehydrogenase complex component E2) (OGDC-E2) (Dihydrolip
<b>Human Gene Id :</b>	1743
<b>Human Swiss Prot No :</b>	P36957
<b>Mouse Gene Id :</b>	78920
<b>Mouse Swiss Prot No :</b>	Q9D2G2
<b>Rat Gene Id :</b>	299201
<b>Rat Swiss Prot No :</b>	Q01205
<b>Immunogen :</b>	Synthesized peptide derived from human C-terminal ODO2
<b>Specificity :</b>	This antibody detects endogenous levels of ODO2 at Human, Mouse,Rat
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500-2000 IHC 1:50-200
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

**Concentration :** 1 mg/ml

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

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**Molecularweight :** 50kD

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**Function :** Dihydrolipoamide succinyltransferase (E2) component of the 2-oxoglutarate dehydrogenase complex. The 2-oxoglutarate dehydrogenase complex catalyzes the overall conversion of 2-oxoglutarate to succinyl-CoA and CO<sub>2</sub>. 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 .

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**Subcellular Location :** Mitochondrion matrix . Nucleus . Mainly localizes in the mitochondrion. A small fraction localizes to the nucleus, where the 2-oxoglutarate dehydrogenase complex is required for histone succinylation. .

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## Products Images