

## ODO2 Rabbit pAb

CatalogNo: YT8137

### Key Features

**Host Species**

- Rabbit

**Reactivity**

- Human, Mouse, Rat

**Applications**

- IHC, WB

**MW**

- 50kD (Calculated)

**Isotype**

- IgG

### Storage

**Storage\*** -15°C to -25°C/1 year (Do not lower than -25°C)**Formulation** Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

### Recommended Dilution Ratios

**WB 1:500-2000****IHC 1:50-200**

### Basic Information

**Clonality** Polyclonal

### Immunogen Information

**Immunogen** Synthesized peptide derived from human C-terminal ODO2**Specificity** This antibody detects endogenous levels of ODO2 at Human, Mouse, Rat

### Target Information

**Gene name** DLST DLTS

**Protein Name** Dihydrolipoalysine-residue succinyltransferase component of 2-oxoglutarate dehydrogenase complex, mitochondrial (2-oxoglutarate dehydrogenase complex component E2) (OGDC-E2) (Dihydrolipoamide succinyltransferase component of 2-oxoglutarate dehydrogenase complex) (E2K)

Organism	Gene ID	UniProt ID
Human	<a href="#">1743</a> ;	<a href="#">P36957</a> ;
Mouse	<a href="#">78920</a> ;	<a href="#">Q9D2G2</a> ;
Rat	<a href="#">299201</a> ;	<a href="#">Q01205</a> ;

**Cellular Localization** 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. .

**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(2). 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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## | Validation Data

## | Contact information

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**ODO2 Rabbit pAb**

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