



# ODPAT Monoclonal Antibody

Catalog No	BYmab-06001
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB
Gene Name	PDHA2 PDHAL
Protein Name	Pyruvate dehydrogenase E1 component subunit alpha, testis-specific form, mitochondrial (EC 1.2.4.1) (PDHE1-A type II)
Immunogen	Synthesized peptide derived from human protein . at AA range: 310-390
Specificity	ODPAT Monoclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	42kD
Cell Pathway	Mitochondrion matrix.
Tissue Specificity	Testis. Expressed in postmeiotic spermatogenic cells.
Function	catalytic activity:Pyruvate + [dihydrolipoyllysine-residue acetyltransferase] lipoyllysine = [dihydrolipoyllysine-residue acetyltransferase] S-acetyldihydrolipoyllysine + CO(2).,cofactor:Thiamine pyrophosphate.,enzyme regulation:E1 activity is regulated by phosphorylation (inactivation) and dephosphorylation (activation) of the alpha subunit.,function: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).,subunit:Tetramer of 2 alpha and 2 beta subunits.,tissue specificity:Testis. Expressed in postmeiotic spermatogenic cells.,

Nanjing BYabscience technology Co.,Ltd



## Background

catalytic activity:Pyruvate + [dihydrolipoyllysine-residue acetyltransferase]  
lipoyllysine = [dihydrolipoyllysine-residue acetyltransferase]  
S-acetyldihydrolipoyllysine + CO(2).,cofactor:Thiamine pyrophosphate.,enzyme  
regulation:E1 activity is regulated by phosphorylation (inactivation) and  
dephosphorylation (activation) of the alpha subunit.,function: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).,subunit:Tetramer of 2 alpha and 2 beta  
subunits.,tissue specificity:Testis. Expressed in postmeiotic spermatogenic cells.,

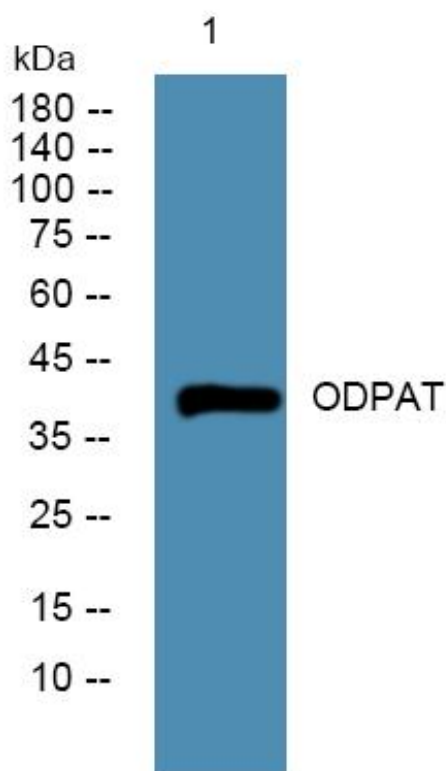
## matters needing attention

Avoid repeated freezing and thawing!

## Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## Products Images



Western Blot analysis of various cells using ODPAT Monoclonal Antibody

Nanjing BYabscience technology Co.,Ltd

网址: [www.njbybio.com](http://www.njbybio.com)

官方热线: 025-5229-8998

监督电话: 15950492658