



# ODC Monoclonal Antibody

<b>Catalog No</b>	BYmab-01927
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Mouse;Rat
<b>Applications</b>	WB
<b>Gene Name</b>	SLC25A21
<b>Protein Name</b>	Mitochondrial 2-oxodicarboxylate carrier
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human SLC25A21. AA range:134-183
<b>Specificity</b>	ODC Monoclonal Antibody detects endogenous levels of ODC protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Monoclonal, Mouse,IgG
<b>Purification</b>	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB 1:500-2000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	SLC25A21; ODC; Mitochondrial 2-oxodicarboxylate carrier; Solute carrier family 25 member 21
<b>Observed Band</b>	36kD
<b>Cell Pathway</b>	Mitochondrion inner membrane; Multi-pass membrane protein.
<b>Tissue Specificity</b>	Expressed in placenta, gall bladder and colon.
<b>Function</b>	function:Transports C5-C7 oxodicarboxylates across the inner membranes of mitochondria. Can transport 2-oxoadipate, 2-oxoglutarate, adipate, glutarate, and to a lesser extent, pimelate, 2-oxopimelate, 2-aminoadipate, oxaloacetate, and citrate.,similarity:Belongs to the mitochondrial carrier family.,similarity:Contains 3 Solcar repeats.,tissue specificity:Ubiquitous.,
<b>Background</b>	SLC25A21 is a homolog of the S. cerevisiae ODC proteins, mitochondrial carriers that transport C5-C7 oxodicarboxylates across inner mitochondrial membranes. One of the species transported by ODC is 2-oxoadipate, a common intermediate in the catabolism of lysine, tryptophan, and hydroxylysine in mammals. Within mitochondria, 2-oxoadipate is converted into

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acetyl-CoA.[supplied by OMIM, Apr 2004],

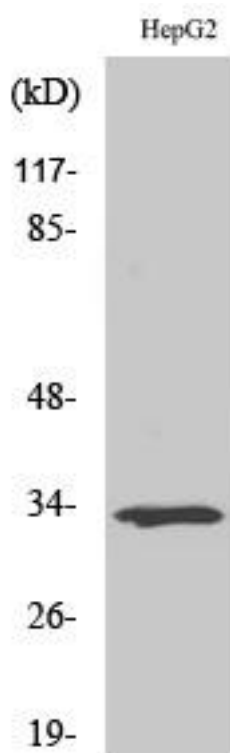
**matters needing attention**

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 ODC Monoclonal Antibody

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