

For Research Use Only

ODC1 Monoclonal antibody

Catalog Number: 67336-1-Ig **Featured Product**



Basic Information

Catalog Number: 67336-1-Ig	GenBank Accession Number: BC025296	Purification Method: Protein G purification
Size: 150ul , Concentration: 2000 µg/ml by Nanodrop and 940 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 4953	CloneNo.: 2A1E3
Source: Mouse	Full Name: ornithine decarboxylase 1	Recommended Dilutions: WB 1:5000-1:50000
Isotype: IgG1	Calculated MW: 461 aa, 51 kDa	
Immunogen Catalog Number: AG10927	Observed MW: 51 kDa	

Applications

Tested Applications: WB,ELISA	Positive Controls: WB : MCF-7 cells, HUVEC cells, human placenta tissue
Species Specificity: Human	

Background Information

Ornithine decarboxylase (ODC) is also named as ODC1 and belongs to the Orn/Lys/Arg decarboxylase class-II family. It catalyzes the conversion of ornithine to putrescine, the first step and a major site of regulation of polyamine biosynthesis. The level of ODC is known to be controlled at several sites, namely transcription, translation, and enzyme degradation. Polyamines can stimulate the degradation of ODC as a type of negative feedback control (PMID:8486633). This protein can be phosphorylated in vivo (PMID:8798774). ODC1 can form a homodimer and only the dimer is catalytically active, as the active sites are constructed of residues from both monomers (PMID: 10623504). The molecular mass of ODC1 is 51 kDa, and the homodimer is 106 kDa.

Storage

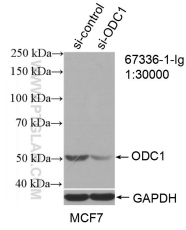
Storage:
Store at -20°C.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

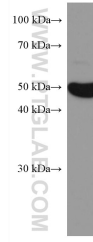
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



WB result of ODC1 antibody (67336-1-Ig; 1:30000; incubated at room temperature for 1.5 hours) with sh-Control and sh-ODC1 transfected MCF-7 cells.



MCF-7 cells were subjected to SDS PAGE followed by western blot with 67336-1-Ig (ODC1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.