DCOR Monoclonal Antibody

Catalog No	YP-mAb-05889
Isotype	IgG
Reactivity	Human;Rat;Mouse
Applications	WB
Gene Name	ODC1
Protein Name	Ornithine decarboxylase (ODC) (EC 4.1.1.17)
Immunogen	Synthesized peptide derived from human protein . at AA range: 250-330
Specificity	DCOR 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 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	50kD
Cell Pathway	cytoplasm,cytosol,perinuclear region of cytoplasm,
Tissue Specificity	Esophagus,Lymph,Testis,
Function	catalytic activity:L-ornithine = putrescine + CO(2).,cofactor:Pyridoxal phosphate.,enzyme regulation:Inhibited by S-nitrosylation.,online information:Ornithine decarboxylase entry,pathway:Amine and polyamine biosynthesis; putrescine biosynthesis via L-ornithine pathway; putrescine from L-ornithine: step 1/1.,PTM:S-Nitrosylation inhibits the enzyme. S-Nitrosylated in vitro on 4 cysteine residues.,similarity:Belongs to the Orn/Lys/Arg decarboxylase class-II family.,subunit:Homodimer.,
Background	ornithine decarboxylase 1(ODC1) Homo sapiens This gene encodes the rate-limiting enzyme of the polyamine biosynthesis pathway which catalyzes ornithine to putrescine. The activity level for the enzyme varies in response to growth-promoting stimuli and exhibits a high turnover rate in comparison to other mammalian proteins. Originally localized to both chromosomes 2 and 7, the gene encoding this enzyme has been determined to be located on 2p25, with a pseudogene located on 7q31-qter. Multiple alternatively spliced transcript variants encoding distinct isoforms have been identified. [provided by RefSeq, Dec 2013],

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