



# DCOR Polyclonal Antibody

<b>Catalog No</b>	YP-Ab-05889
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Rat;Mouse
<b>Applications</b>	WB;ELISA
<b>Gene Name</b>	ODC1
<b>Protein Name</b>	Ornithine decarboxylase (ODC) (EC 4.1.1.17)
<b>Immunogen</b>	Synthesized peptide derived from human protein . at AA range: 250-330
<b>Specificity</b>	DCOR Polyclonal Antibody detects endogenous levels of protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
<b>Source</b>	Polyclonal, Rabbit,IgG
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB 1:500-2000 ELISA 1:5000-20000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	
<b>Observed Band</b>	50kD
<b>Cell Pathway</b>	cytoplasm,cytosol,perinuclear region of cytoplasm,
<b>Tissue Specificity</b>	Esophagus,Lymph,Testis,
<b>Function</b>	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.,
<b>Background</b>	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**