



# Anti-ODC1 monoclonal antibody, clone 2H7 (DCABH-916)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Product Overview</b>	Mouse monoclonal to Ornithine Decarboxylase
<b>Antigen Description</b>	This gene encodes a member of the POU protein family characterized by the presence of a bipartite DNA binding domain, consisting of a POU-specific domain and a homeodomain, separated by a variable polylinker. The DNA binding domain may bind to DNA as monomers or as homo- and/or heterodimers, in a sequence-specific manner. The POU family members are transcriptional regulators, many of which are known to control cell type-specific differentiation pathways. This gene is a tumor suppressor involved in Wilms tumor (WT) predisposition. Alternatively spliced transcript variants encoding distinct isoforms have been found for this gene.
<b>Immunogen</b>	Recombinant full length Human Ornithine Decarboxylase produced in HEK293T cells (NP_002530).
<b>Isotype</b>	IgG1
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human, Monkey
<b>Clone</b>	2H7
<b>Purification</b>	This antibody was purified from Mouse ascites fluid by affinity chromatography.
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB, Flow Cyt, ICC/IF
<b>Positive Control</b>	HEK293T cell lysate transfected with pCMV6-ENTRY Ornithine Decarboxylase cDNA; HepG2, HeLa, HT29, A549, COS7, Jurkat, MDCK, PC12, and MCF7 cell extracts; COS7 cells

transiently transfected by pCMV6-ENTRY Ornithine Decarboxylase; HEK293T cells transfected

<b>Format</b>	Liquid
<b>Size</b>	100 µl
<b>Buffer</b>	pH: 7.30; Preservative: 0.02% Sodium azide; Constituents: 48% PBS, 50% Glycerol, 1% BSA
<b>Preservative</b>	0.02% Sodium Azide
<b>Storage</b>	store at -20°C. Avoid repeated freeze / thaw cycles.
<b>Ship</b>	Shipped at 4°C.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">ODC1 ornithine decarboxylase 1 [ Homo sapiens ]</a>
<b>Official Symbol</b>	ODC1
<b>Synonyms</b>	ODC1; ornithine decarboxylase 1; ornithine decarboxylase; ODC;
<b>Entrez Gene ID</b>	<a href="#">4953</a>
<b>Protein Refseq</b>	<a href="#">NP_002530</a>
<b>UniProt ID</b>	<a href="#">B4DXF8</a>
<b>Chromosome Location</b>	2p25
<b>Pathway</b>	Arginine and proline metabolism, organism-specific biosystem; Arginine and proline metabolism, conserved biosystem; Glutathione metabolism, organism-specific biosystem; Glutathione metabolism, conserved biosystem; Metabolic pathways, organism-specific biosystem; Metabolism, organism-specific biosystem; Metabolism of amino acids and derivatives, organism-specific biosystem;
<b>Function</b>	lyase activity; ornithine decarboxylase activity;