



Anti-ODC1 (C-terminal) polyclonal antibody (DPAB2372RH)

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

PRODUCT INFORMATION

Product Overview	Polyclonal Antibody to Ornithine Decarboxylase
Antigen Description	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.
Specificity	Ornithine decarboxylase is the rate-limiting enzyme in polyamine biosynthesis converting ornithine into putrescine. In normal tissue ornithine decarboxylase activity is low but increases in proliferating tissue. Absorption with 10–100 µg immunogen per ml
Immunogen	Recombinant human ornithine decarboxylase produced in E. coli
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Conjugate	Unconjugated
Applications	IF, IHC-Fr
Positive Control	Stefanini-fixed frozen sections of renal cortex from testosterone-treated mice.
Format	Undiluted, lyophilized antiserum
Size	50 µl
Buffer	Reconstitute in 50–100 µl distilled water, and dilute further in 0.1M PBS with 1% BSA and

0.09% sodium azide

Preservative

None

Storage

At 2°C-8°C (lyoph.); reconstituted in aliquots at -20°C for longer storage

GENE INFORMATION

Gene Name

[ODC1 ornithine decarboxylase 1 \[Homo sapiens \]](#)

Official Symbol

ODC1

Synonyms

ODC1; ornithine decarboxylase; ornithine decarboxylase 1; EC=4.1.1.17;
OTTHUMP00000200387; OTTHUMP00000115512; ODC

Entrez Gene ID

[4953](#)

Protein Refseq

[NP_002530](#)

UniProt ID

[B4DXF8](#)

Chromosome Location

2p25

Pathway

Arginine and proline metabolism; Glutathione metabolism; Metabolic pathways; Metabolism; Metabolism of amino acids and derivatives; Metabolism of polyamines; Polyamine biosynthesis, arginine => ornithine => putrescine; Regulation of ornithine decarboxylase (ODC); Urea cycle and metabolism of amino groups; Validated targets of C-MYC transcriptional activation; putrescine biosynthesis III; superpathway of polyamine biosynthesis II

Function

lyase activity; ornithine decarboxylase activity