

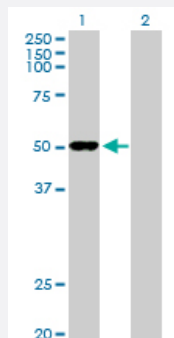
MaxPab®

ODC1 purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00004953-D01P

Size 100 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of ODC1 expression in transfected 293T cell line ([H00004953-T01](#)) by ODC1 MaxPab polyclonal antibody.

Lane 1: ODC1 transfected lysate (51.10 kDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

Rabbit polyclonal antibody raised against a full-length human ODC1 protein.

Immunogen

ODC1 (NP_002530.1, 1 a.a. ~ 461 a.a) full-length human protein.

Sequence

MNFGNEEFDCHFLDEGFTAKDILDQKINEVSSSDDKDAFYVADLGDILKKHLRWLKALPRVTPF
YAVKCNDSKAMVKTAAATGTGFDCAKTEIQLVQSLGVPPERIIYANPCKQVSQIKYAANNGVQMMT
FDSEVELMKVARAHPKAKLVLRATDDSKAVCRLSVKFGATLRTRSRLLLERAKELNIDVVGVSFHV
GSGCTDPETFVQAISDARCVFDMGAIEVGFMSMYLLDIGGGFPGSEDEVKLKFEETGVINPALDKYFP
SDSGVRIAEPPGRYYVASAFTLAVNIAKKMLKEQTGSDDDEDESSEQTFMYVNDGVYGSFNCILYD
HAHVKPLLQKRPKPDEKYYSSSIWGPTCDGLDRMERCPLPEMHVGDWMLFENMGAYTVAAAST
FNGFQRPTIYYMSGPAWQLMQQFQNPDPFPEVEEQDASTLPVSCAWESGMKRHRAACASASI
NV

Host

Rabbit

Reactivity

Human

Quality Control Testing

Antibody reactive against mammalian transfected lysate.

Storage Buffer

In 1x PBS, pH 7.4

Storage Instruction

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

Western Blot analysis of ODC1 expression in transfected 293T cell line ([H00004953-T01](#)) by ODC1 MaxPab polyclonal antibody.

Lane 1: ODC1 transfected lysate(51.10 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

Gene Info — ODC1

Entrez GeneID	4953
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GeneBank Accession#	NM_002539.1
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Protein Accession#	NP_002530.1
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Gene Name	ODC1
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Gene Alias	ODC
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Gene Description	ornithine decarboxylase 1
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Omim ID	114500 165640
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Gene Ontology	Hyperlink
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Gene Summary	This gene encodes the rate-limiting enzyme of the polyamine biosynthesis pathway which catalyze s 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. [provided by RefSeq
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Other Designations	-
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Publication Reference

- [Spermidine promotes human hair growth and is a novel modulator of human epithelial stem cell functions.](#)

Ramot Y, Tiede S, Biro T, Abu Bakar MH, Sugawara K, Philpott MP, Harrison W, Pietila M, Paus R.

PLoS One 2011 Jul; 6(7):e22564.

Application: IF, IHC, Human, Human hair follicle

Pathway

- [Arginine and proline metabolism](#)
- [Biosynthesis of alkaloids derived from ornithine](#)
- [Glutathione metabolism](#)
- [Metabolic pathways](#)

Disease

- [Adenoma](#)
- [Adenomatous Polyposis Coli](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Colon cancer](#)
- [Colonic Neoplasms](#)
- [Colorectal Neoplasms](#)
- [Gastritis](#)
- [Genetic Predisposition to Disease](#)
- [Neoplasm Recurrence](#)
- [Precancerous Conditions](#)
- [Recurrence](#)
- [Stomach Neoplasms](#)