

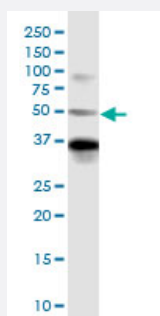
CX Grade

ODC1 monoclonal antibody (M01J), clone 2G5

Catalog # H00004953-M01J

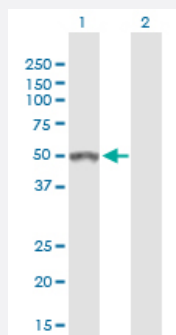
Size 100 ug

Applications



Western Blot (Cell lysate)

ODC1 monoclonal antibody (M01J), clone 2G5. Western Blot analysis of ODC1 expression in A-431.

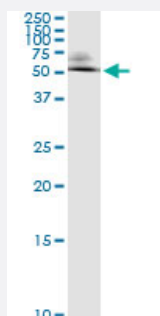


Western Blot (Transfected lysate)

Western Blot analysis of ODC1 expression in transfected 293T cell line by ODC1 monoclonal antibody (M01J), clone 2G5.

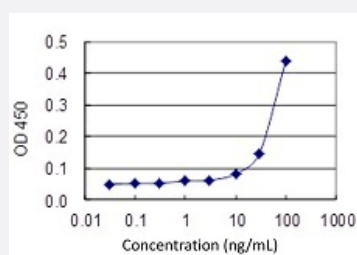
Lane 1: ODC1 transfected lysate (Predicted MW: 51.1 KDa).

Lane 2: Non-transfected lysate.



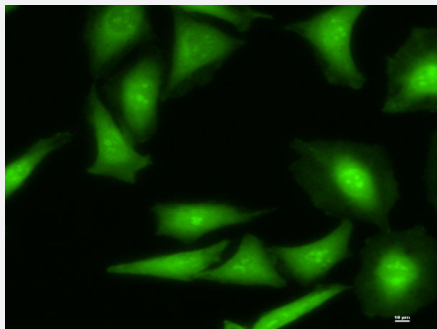
Immunoprecipitation

Immunoprecipitation of ODC1 transfected lysate using anti-ODC1 monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with ODC1 MaxPab rabbit polyclonal antibody.



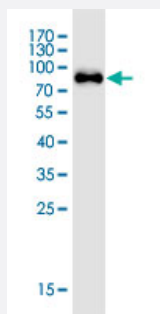
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged ODC1 is 10 ng/ml as a capture antibody.



Immunofluorescence

Immunofluorescence of monoclonal antibody to ODC1 on HeLa cell . [antibody concentration 10 ug/ml]



Western Blot detection against Immunogen (76.45 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a full-length recombinant ODC1. This product is belong to Cell Culture Grade Antibody (CX Grade).
Immunogen	ODC1 (AAH25296, 1 a.a. ~ 461 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MNFGNEEFDCHFLDEGFTAKDILDQKINEVSSSDDKDAFYVADLGDILKKHLRWLKALPRVTPF YAVKCND SKAVKTLAATGAGFDCASKTEIQLVQSLGVPPERIIYANPCKQVSQIKYAANNGVQMM TFDSEVELMKVARAHPKAKLVLRATDDSKAVCRLSVKFGATLRTSRLLLERAKELNIDVVGVSFH VGSGCTDPETFVQAISDARCVFDMGAEVGFSMYLLDIGGGFPGSEDVKLKFEETGVINPALDKYF PSDSGVRIAEPPGRYYASAFTLAVNIAKKVLKEQTGSDDDESESEQTFMYVNDGVYGSFNCILY DHAHVKPLLQKRPKPDEKYYSSSIWGPTCDGLDRMERC DLPEMHVGDWMLFENMGAYTVAAA STFNGFQRPTIYYMSGPAWQLMQQFQNPDPFPEVEEQDASTLPVSCAWESGMKRHRAACAS ASINV
Host	Mouse
Reactivity	Human
Preparation Method	Cell Culture Production
Isotype	IgG2b Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (76.45 KDa) .

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 (Cell lysate)

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[Protocol Download](#)

- Western Blot (Transfected lysate)

Western Blot analysis of ODC1 expression in transfected 293T cell line by ODC1 monoclonal antibody (M01J), clone 2G5.

Lane 1: ODC1 transfected lysate (Predicted MW: 51.1 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

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- ELISA

- Immunofluorescence

Immunofluorescence of monoclonal antibody to ODC1 on HeLa cell . [antibody concentration 10 ug/ml]

Gene Info — ODC1

Entrez GeneID[4953](#)

GeneBank Accession#	BC025296
Protein Accession#	AAH25296
Gene Name	ODC1
Gene Alias	ODC
Gene Description	ornithine decarboxylase 1
Omim ID	114500 165640
Gene Ontology	Hyperlink
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
Other Designations	-

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](#)