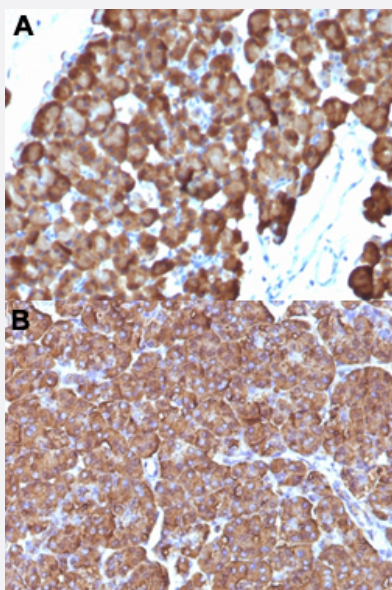


ODC1 monoclonal antibody, clone ODC1/486

Catalog # MAB14387 Size 100 ug

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of rat pancreas (A) and human pancreas (B) with ODC1 monoclonal antibody, clone ODC1/486 (Cat # MAB14387).

Specification

Product Description	Mouse monoclonal antibody raised against full length recombinant human ODC1.
Immunogen	Recombinant protein corresponding to full length human ODC1.
Host	Mouse
Theoretical MW (kDa)	53
Reactivity	Human, Rat
Form	Liquid
Purification	Protein A/G purification
Isotype	IgG2a, kappa

Recommend Usage

Flow Cytometry (0.5-1 ug/10⁶ cells in 0.1 mL)
Immunofluorescence (0.5-1 ug/mL)
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (0.25-0.5 ug/mL)
Western Blot (0.5-1 ug/mL)
The optimal working dilution should be determined by the end user.

Storage Buffer

In 10 mM PBS (0.05% BSA, 0.05% sodium azide).

Storage Instruction

Store at 4°C.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot
- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)
Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of rat pancreas (A) and human pancreas (B) with ODC1 monoclonal antibody, clone ODC1/486 (Cat # MAB14387).
- Immunofluorescence
- Flow Cytometry

Gene Info — ODC1

Entrez GeneID

[4953](#)

Protein Accession#

[P11926](#)

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](#)