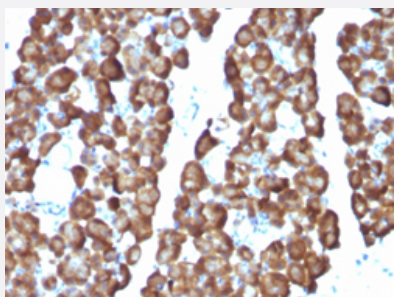


ODC1 monoclonal antibody, clone ODC1/487

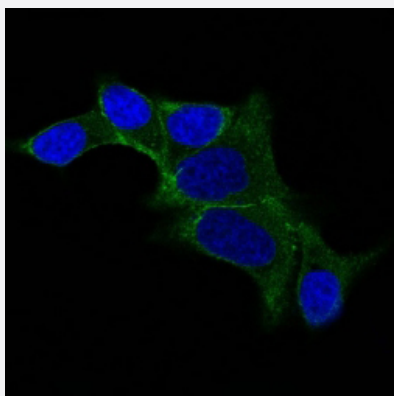
Catalog # MAB14390 Size 100 ug

Applications



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

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of rat pancreas with ODC1 monoclonal antibody, clone ODC1/487 (Cat # MAB14390).



Immunofluorescence

Immunofluorescent staining of LNCap cells with ODC1 monoclonal antibody, clone ODC1/487 (Cat # MAB14390) (Green). Blue: nuclei.

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/10 ⁶ cells in 0.1 mL) Immunofluorescence (0.5-1 ug/mL) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (0.5-1 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.
Storage Instruction	Store at -20 to -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot
- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)
Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of rat pancreas with ODC1 monoclonal antibody, clone ODC1/487 (Cat # MAB14390).
- Immunofluorescence
Immunofluorescent staining of LNCap cells with ODC1 monoclonal antibody, clone ODC1/487 (Cat # MAB14390) (Green). Blue: nuclei.
- 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 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. [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](#)