Recombinant Ornithine Decarboxylase-1 (ODC-1) Antibody

Mouse Monoclonal Antibody [Clone rODC1/485]

Catalog No	Format	Size
4953-MSM5-P0	Purified Ab with BSA and Azide	200ug/ml
4953-MSM5-P1	Purified Ab with BSA and Azide	200ug/ml
4953-MSM5-P1ABX	Purified Ab WITHOUT BSA and Azide	1.0mg/ml

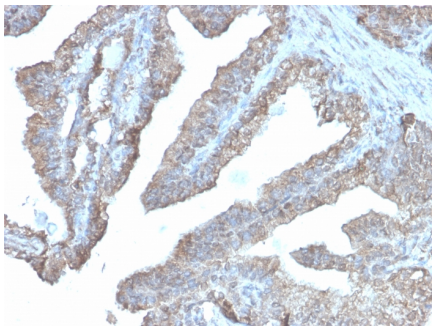
Applications	Tested Dillution
Immunohistochemistry (IHC)	1-2ug/ml
Western Blot (WB)	2-4ug/ml

Product Details

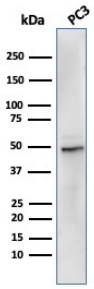
Clone	rODC1/485
Gene Name	ODC1
Immunogen	Recombinant full-length human ODC-1 protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	53kDa.
Species Reactivity	Human, Mouse, Rat
Positive Control	Human placenta or prostate carcinoma tissue (IHC).

**Optimal dilution for a specific application should be determined.*

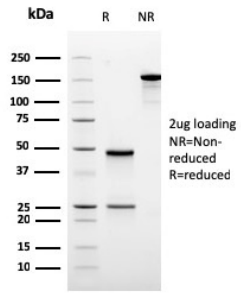
Product Images for Recombinant Ornithine Decarboxylase-1 (ODC-1) Antibody



Formalin-fixed, paraffin-embedded human prostate carcinoma stained withODC-1 Recombinant Mouse Monoclonal Antibody (rODC1/485).



Western Blot Analysis of PC3 cell lysate using ODC-1 Recombinant Mouse Monoclonal Antibody (rODC1/485).



SDS-PAGE Analysis of Purified ODC-1 Recombinant Mouse Monoclonal Antibody (rODC1/485). Confirmation of Purity and Integrity of Antibody.

Specificity & Comments

Recognizes a 53kDa protein, identified as the Ornithine Decarboxylase (ODC-1). ODC is the initial and rate-limiting enzyme in the biosynthetic pathway of polyamines and is involved in the conversion of ornithine to putrescine. The biological activity of ODC-1 is rapidly induced in response to virtually all agents known to promote cell proliferation including hormones, drugs, growth factors, mitogens, and tumor promoters. Reportedly, ODC mRNA levels are elevated in lung carcinomas as well as in colon adenomas and carcinomas. ODC activity in colorectal carcinomas is greater than those in adenomas and normal mucosa.

Known Applications & Suggested Dilutions

Western Blot (0.5-1ug/ml) | Immunohistochemistry (Formalin-fixed) (0.25-0.5ug/ml for 30 minutes at RT) (Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95&degC followed by cooling at RT for 20 minutes) | Optimal dilution for a specific application should be determined.

Supplied As

200ug/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.

There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.