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## 36-2883: Anti-Ornithine Decarboxylase-1 (ODC-1) Monoclonal Antibody(Clone: rODC1/485)

Monoclonal Clonality: rODC1/485 Clone Name: Application: WB.IHC

Reactivity: Human, Mouse, Rat

Gene: ODC1 4953 Gene ID: **Uniprot ID:** P11926

**Alternative Name:** Ornithine decarboxylase structural 1; RNODC

Isotype: Mouse IgG1, kappa

Immunogen Information: Recombinant full-length human ODC-1 protein

## **Description**

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.

## **Product Info**

Amount:  $20 \mu g / 100 \mu g$ 

200 µg/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with Content:

0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is Storage condition:

stable for 24 months. Non-hazardous.

## **Application Note**

Western Blot (0.5-1ug/ml); Immunohistochemistry (Formalin-fixed) (0.25-0.5ug/ml for 30 minutes at RT) (Staining of formalinfixed 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);

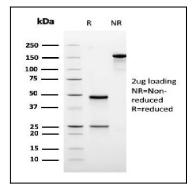


Fig. 1: SDS-PAGE Analysis Purified ODC-1 Recombinant Mouse Monoclonal Antibody (rODC1/485). Confirmation of Purity and Integrity of Antibody.



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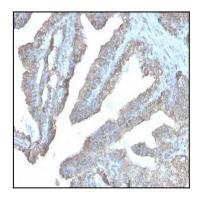


Fig. 2: Formalin-fixed, paraffin-embedded human prostate carcinoma stained with ODC-1 Recombinant Mouse Monoclonal Antibody (rODC1/485).