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

Clonality :	Monoclonal
Clone Name :	rODC1/485
Application :	WB,IHC
Reactivity :	Human, Mouse, Rat
Gene :	ODC1
Gene ID :	4953
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, drÂµgs, 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 µg / 100 µg
Content :	200 µg/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 condition :	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.

Application Note

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);

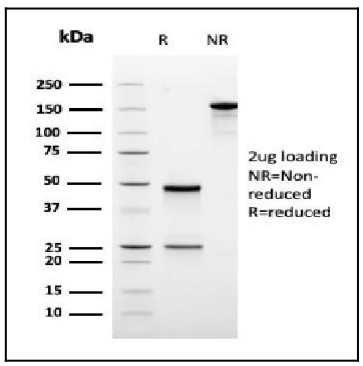

Fig. 1: SDS-PAGE Analysis Purified ODC-1 Recombinant Mouse Monoclonal Antibody (rODC1/485). Confirmation of Purity and Integrity of Antibody.

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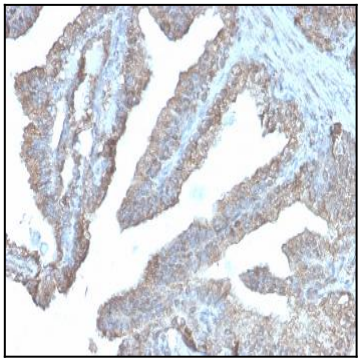

Fig. 2: Formalin-fixed, paraffin-embedded human prostate carcinoma stained with ODC-1 Recombinant Mouse Monoclonal Antibody (rODC1/485).