

Product Datasheet

Recombinant ODC1 Antibody / Ornithine Decarboxylase (orb2643624)

Catalog Number	orb2643624
Category	Antibodies
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.
Clonality	Recombinant
Species/Host	Mouse
Isotype	Mouse IgG1, kappa
Conjugation	Unconjugated
Reactivity	Human
Buffer/Preservatives	1 mg/ml in 1X PBS; rAlbumin free, sodium azide free
Purification	Protein G affinity chromatography
Immunogen	Recombinant human ODC-1 protein was used as the immunogen for this recombinant ODC1 antibody.
UniProt ID	P11926
Tested applications	IHC-P, WB

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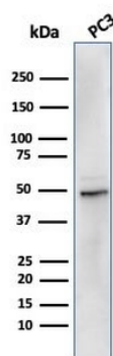
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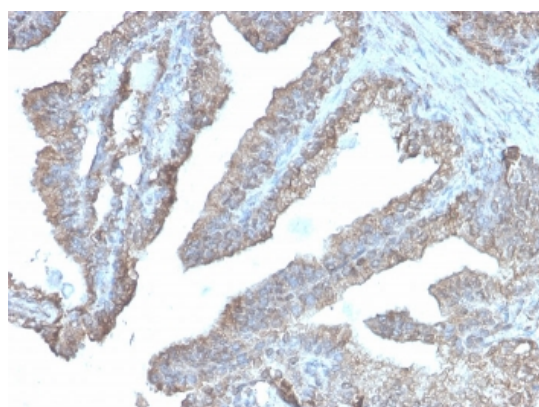
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Dilution range	Immunohistochemistry (FFPE): 0.25-0.5ug/ml, Western blot: 0.5-1ug/ml
Application notes	Optimal dilution of the recombinant ODC1 antibody should be determined by the researcher.
Antibody Type	Primary Antibody
Clone Number	rODC1/485
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only
Expiration Date	12 months from date of receipt.



Western blot testing of human PC-3 cell lysate with recombinant ODC1 antibody. Predicted molecular weight ~51 kDa.



IHC staining of FFPE human prostate carcinoma with recombinant ODC1 antibody. HIER: boil tissue sections in pH9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.

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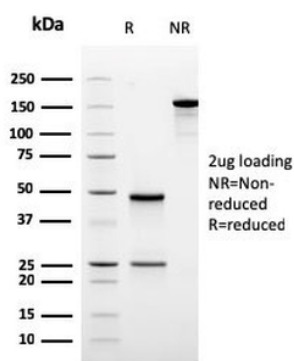
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SDS-PAGE analysis of purified, BSA-free recombinant ODC1 antibody (clone rODC1/485) as confirmation of integrity and purity.

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