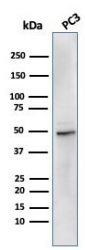
Recombinant ODC1 Antibody / Ornithine Decarboxylase [clone rODC1/485] (V7989)

Catalog No.	Formulation	Size
V7989-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V7989-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V7989SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

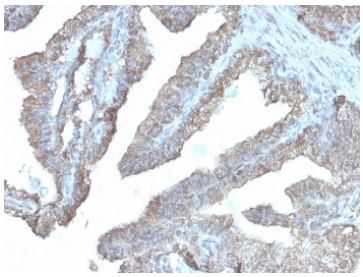
Recombinant MOUSE MONOCLONAL

Bulk quote request

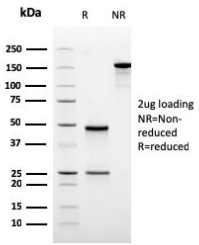
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Recombinant Mouse Monoclonal
Isotype	Mouse IgG1, kappa
Clone Name	rODC1/485
Purity	Protein G affinity chromatography
UniProt	P11926
Localization	Cytoplasmic
Applications	Immunohistochemistry (FFPE) : 0.25-0.5ug/ml Western Blot : 0.5-1ug/ml
Limitations	This recombinant ODC1 antibody is available for research use only.



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 pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



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

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.

Application Notes

Optimal dilution of the recombinant ODC1 antibody should be determined by the researcher.

Immunogen

Recombinant human ODC-1 protein was used as the immunogen for this recombinant ODC1 antibody.

Storage

Store the recombinant ODC1 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com
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