

Datasheet for ABIN3025563
anti-ODC1 antibody



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2 Images

Overview

Quantity:	100 µg
Target:	ODC1
Reactivity:	Human, Rat
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This ODC1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	Recombinant human protein was used as the immunogen for the Ornithine Decarboxylase antibody.
Clone:	ODC1-487
Isotype:	IgG2a kappa
Purification:	Protein G affinity chromatography

Target Details

Target:	ODC1
Alternative Name:	Ornithine Decarboxylase (ODC1 Products)
Background:	Recognizes a 53 kDa 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

Target Details

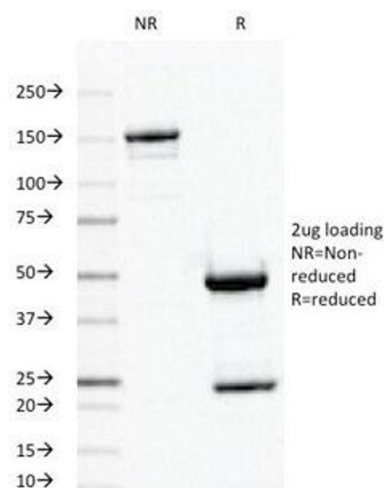
conversion of ornithine to putrescine. The biological activity of ODC-1 is rapidly induced in response to virtually all agents known to promote cell proliferation including hormones, drugs, growth factors, mitogens, and tumor promoters. Reportedly, ODC mRNA levels are elevated in lung carcinomas as well as in colon adenomas and carcinomas. ODC activity in colorectal carcinomas is greater than those in adenomas and normal mucosa.

Application Details

Application Notes:	Optimal dilution of the Ornithine Decarboxylase antibody should be determined by the researcher. 1. Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM Citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes 2. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.\. Flow Cytometry: 0.5-1 µg/million cells in 0.1ml,Immunofluorescence: 0.5-1 µg/mL,Western blot: 0.5-1 µg/mL,Immunohistochemistry (FFPE): 0.5-1 µg/mL for 30 min at RT (1),Prediluted format: incubate for 30 min at RT (2)
Restrictions:	For Research Use only

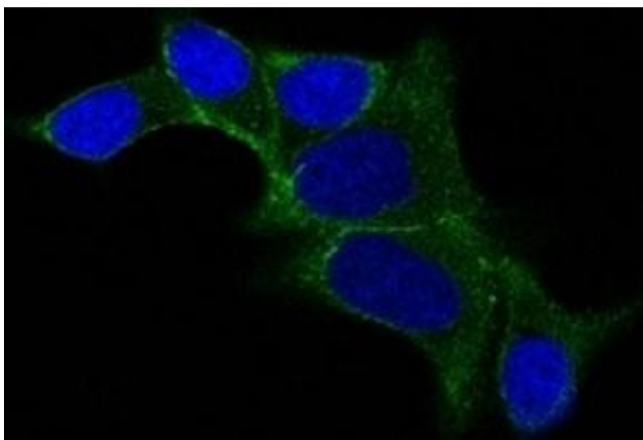
Handling

Concentration:	1 mg/mL
Buffer:	1 mg/mL in 1X PBS, BSA free, sodium azide free
Preservative:	Azide free
Storage:	4 °C,-20 °C
Storage Comment:	Store the Ornithine Decarboxylase antibody at 2-8°C (with azide) or aliquot and store at -20°C or colder (without azide).



SDS-PAGE

Image 1. SDS-PAGE Analysis of Purified, BSA-Free Ornithine Decarboxylase Antibody (clone ODC1/487). Confirmation of Integrity and Purity of the Antibody.



Immunofluorescence

Image 2. IF staining of LNCap cells using AF488 labeled Ornithine Decarboxylase antibody (ODC1/487) (Green). DAPI was used to stain the cell nuclei (blue).