Datasheet for ABIN3026477

anti-ODC1 antibody

6 Images

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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 ODC-1 protein was used as the immunogen for this antibody.
Clone:	ODC1-485
Isotype:	IgG1 kappa
Characteristics:	This antibody recognizes a 53 kDa protein, identified as the Ornithine Decarboxylase. ODC-1 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-1 mRNA levels are elevated in lung carcinomas as well as in colon adenomas and carcinomas. Activity in colorectal carcinomas is greater than those in adenomas and normal mucosa.
Purification:	Protein G affinity chromatography

Target Details

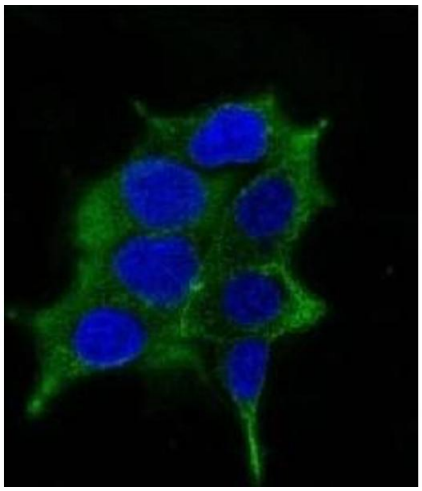
Target:	ODC1
Alternative Name:	ODC-1 / Ornithine Decarboxylase 1 (ODC1 Products)
Background:	This antibody recognizes a 53 kDa protein, identified as the Ornithine Decarboxylase. ODC-1 is the initial and rate-limiting enzyme in the biosynthetic pathway of polyamines and is involved in the conversion 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-1 mRNA levels are elevated in lung carcinomas as well as in colon adenomas and carcinomas. Activity in colorectal carcinomas is greater than those in adenomas and normal mucosa.
Gene ID:	4953

Application Details

Application Notes:	The concentration stated for each application is a general starting point. Variations in protocols, secondaries and substrates may require the antibody to be titered up or down for optimal performance. 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.\. FACS: 0.5-1 µg/million cells,IF: 0.5-1 µg/mL,WB: 0.5-1 µg/mL,IHC (FFPE): 0.5-1 µg/mL for 30 minutes at RT (1),Prediluted format : incubate for 30 min at RT (2)
Restrictions:	For Research Use only

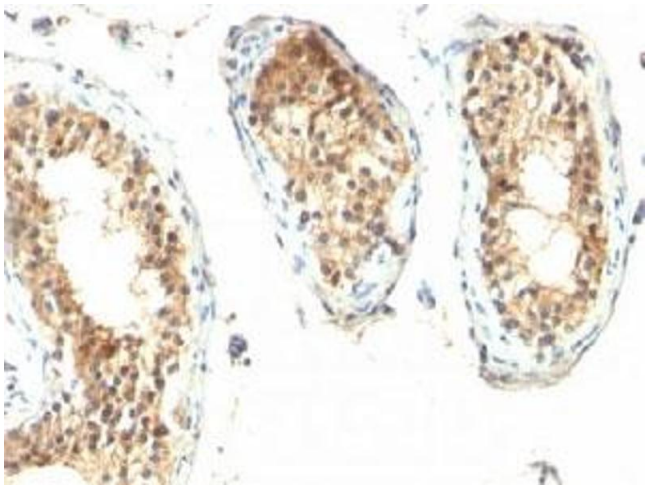
Handling

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 ODC-1 antibody at 2-8°C (with azide) or aliquot and store at -20°C or colder (without azide).



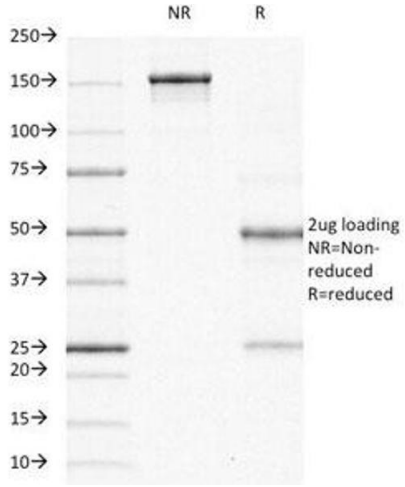
Immunofluorescence

Image 1. Immunofluorescence testing of LNCaP cells and Alexa Fluor 488 conjugated ODC-1 antibody.



Immunohistochemistry

Image 2. Formalin/paraffin human testicular carcinoma stained with ODC-1 antibody.



SDS-PAGE

Image 3. SDS-PAGE Analysis of Purified, BSA-Free ODC-1 Antibody (clone ODC1/485). Confirmation of Integrity and Purity of the Antibody.

Please check the product details page for more images. Overall 6 images are available for ABIN3026477.