


Product datasheet

Anti-Ornithine Carbamoyltransferase/OTC antibody ab228646

★★★★★ [1 Abreviews](#) [3 Images](#)

Overview

Product name	Anti-Ornithine Carbamoyltransferase/OTC antibody
Description	Rabbit polyclonal to Ornithine Carbamoyltransferase/OTC
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P
Species reactivity	Reacts with: Mouse, Human Predicted to work with: Rat, Cow, Pig 
Immunogen	Recombinant fragment within Human Ornithine Carbamoyltransferase/OTC (internal sequence). The exact sequence is proprietary. Database link: P00480
Positive control	IHC-P: Human colon carcinoma tissue. WB: A431 whole cell lysate, mouse liver tissue lysate.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.00 Preservative: 0.01% Thimerosal (merthiolate) Constituents: 1.21% Tris, 0.75% Glycine, 10% Glycerol (glycerin, glycerine)
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

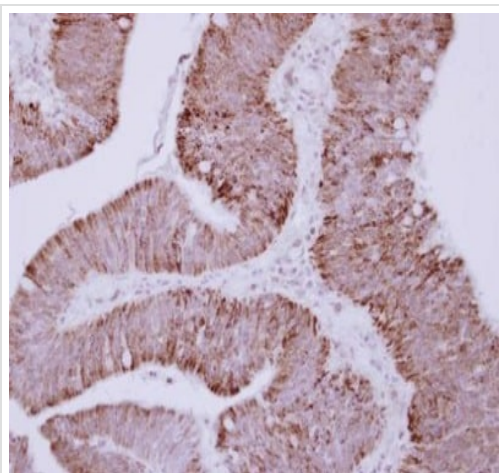
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab228646 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB	★★★★★ (1)	1/500 - 1/30000. Predicted molecular weight: 40 kDa.
IHC-P		1/100 - 1/1000.

Target

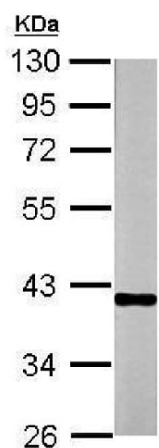
Tissue specificity	Mainly expressed in liver and intestinal mucosa.
Pathway	Nitrogen metabolism; urea cycle; L-citrulline from L-ornithine and carbamoyl phosphate: step 1/1.
Involvement in disease	Ornithine carbamoyltransferase deficiency
Sequence similarities	Belongs to the ATCase/OTCase family.
Post-translational modifications	Acetylation at Lys-88 negatively regulates ornithine carbamoyltransferase activity in response to nutrient signals.
Cellular localization	Mitochondrion matrix.

Images



Paraffin-embedded human colon carcinoma tissue stained for Ornithine Carbamoyltransferase/OTC with ab228646 at 1/250 dilution in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Ornithine Carbamoyltransferase/OTC antibody (ab228646)



Western blot - Anti-Ornithine
Carbamoyltransferase/OTC antibody (ab228646)

Anti-Ornithine Carbamoyltransferase/OTC antibody (ab228646) at
1/30000 dilution + Mouse liver tissue lysate at 20 µg

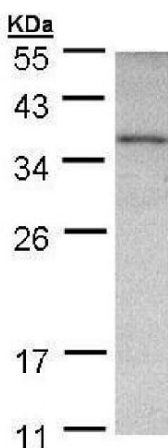
Secondary

HRP-conjugated anti-rabbit IgG

Developed using the ECL technique.

Predicted band size: 40 kDa

10% SDS-PAGE



Western blot - Anti-Ornithine
Carbamoyltransferase/OTC antibody (ab228646)

Anti-Ornithine Carbamoyltransferase/OTC antibody (ab228646) at
1/500 dilution + A431 (human epidermoid carcinoma cell line)
whole cell lysate at 30 µg

Secondary

HRP-conjugated anti-rabbit IgG

Developed using the ECL technique.

Predicted band size: 40 kDa

12% SDS-PAGE

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

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