

Product datasheet

Anti-Ornithine Decarboxylase antibody ab66067

★★★★★ 1 Abreviews 4 References 4 图像

概述

产品名称	Anti-Ornithine Decarboxylase抗体
描述	小鼠单克隆抗体to Ornithine Decarboxylase
宿主	Mouse
经测试应用	适用于: ICC/IF, Flow Cyt, ELISA, WB, IHC-P
种属反应性	与反应: Human
免疫原	Recombinant full length protein (Human) with tag.
阳性对照	Ornithine Decarboxylase transfected 293T cell lysate. IF/ICC: HepG2 cell line.
常规说明	Abcam is committed to meeting high standards of ethical manufacturing and has decided to discontinue this product by June 2019 as it has been generated by the ascites method. We are sorry for any inconvenience this may cause. We would recommend antibody ab212690 as a replacement.

性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
存储溶液	Preservative: None Constituents: PBS, pH 7.2
纯度	Protein A purified
克隆	单克隆
同种型	IgG2b
轻链类型	kappa

应用

Our [Abpromise guarantee](#) covers the use of **ab66067** in the following tested applications.

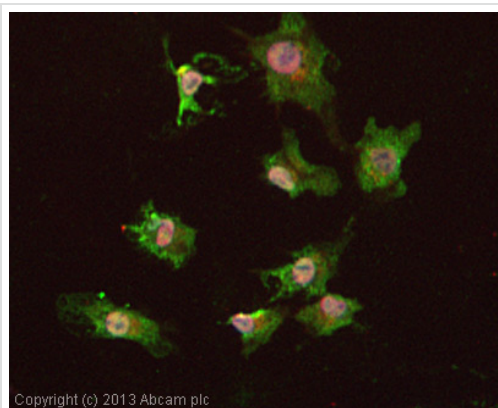
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	Ab评论	说明
ICC/IF		Use a concentration of 5 µg/ml.
Flow Cyt		Use 1µg for 10 ⁶ cells. ab170192 -Mouse monoclonal IgG2b, is suitable for use as an isotype control with this antibody.
ELISA		Use at an assay dependent concentration. The detection limit for recombinant tagged Ornithine Decarboxylase is approximately 30ng/ml as a capture antibody.
WB		Use a concentration of 1 - 5 µg/ml. Detects a band of approximately 51 kDa (predicted molecular weight: 51 kDa).
IHC-P	★★★★★	1/1000.

靶标

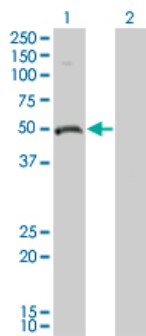
通路	Amine and polyamine biosynthesis; putrescine biosynthesis via L-ornithine pathway; putrescine from L-ornithine: step 1/1.
序列相似性	Belongs to the Orn/Lys/Arg decarboxylase class-II family.
翻译后修饰	S-Nitrosylation inhibits the enzyme. S-Nitrosylated in vitro on 4 cysteine residues.

图片



Immunocytochemistry/ Immunofluorescence - Anti-Ornithine Decarboxylase antibody (ab66067)

ICC/IF image of ab66067 stained HepG2 cells. The cells were 4% formaldehyde fixed (10 min) and then incubated in 1%BSA / 10% normal goat serum / 0.3M glycine in 0.1% PBS-Tween for 1h to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody (ab66067, 5µg/ml) overnight at +4°C. The secondary antibody (green) was [ab96879](#), DyLight® 488 goat anti-mouse IgG (H+L) used at a 1/250 dilution for 1h. Alexa Fluor® 594 WGA was used to label plasma membranes (red) at a 1/200 dilution for 1h. DAPI was used to stain the cell nuclei (blue) at a concentration of 1.43µM.



Western blot - Ornithine Decarboxylase antibody (ab66067)

All lanes : Anti-Ornithine Decarboxylase antibody (ab66067) at 1 µg/ml

Lane 1 : Ornithine Decarboxylase transfected 293T cell lysate

Lane 2 : Non-transfected 293T cell lysate.

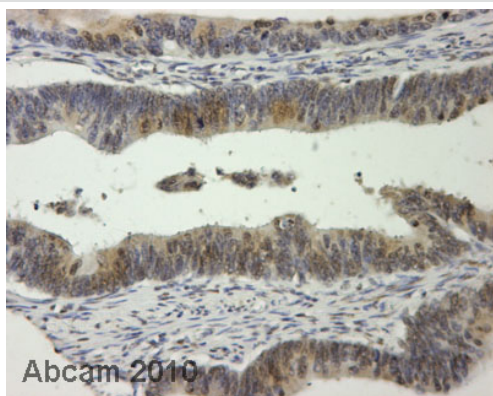
Lysates/proteins at 50 µg per lane.

Secondary

All lanes : Goat Anti-Mouse IgG (H&L)-HRP at 1/2500 dilution

Predicted band size: 51 kDa

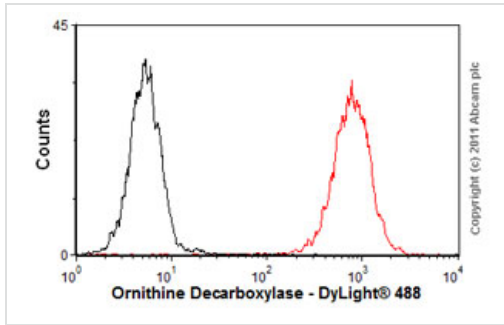
Observed band size: 51 kDa



IHC-P image of Ornithine Decarboxylase (ab66067) on Colon cancer sections. The sections were fixed in Formaldehyde and underwent heat mediated antigen retrieval using Novacastra (pH6). The sections were then blocked in 0.3% H₂O₂ solution for 10 mins at 22°C.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Ornithine Decarboxylase antibody (ab66067)

This image is courtesy of an abreview submitted by Aamir Ahmed, University College London, United Kingdom



Flow Cytometry - Anti-Ornithine Decarboxylase antibody (ab66067)

Overlay histogram showing HeLa cells stained with ab66067 (red line). The cells were fixed with 80% methanol (5 min) and then permeabilized with 0.1% PBS-Tween for 20 min. The cells were then incubated in 1x PBS / 10% normal goat serum / 0.3M glycine to block non-specific protein-protein interactions followed by the antibody (ab66067, 1µg/1x10⁶ cells) for 30 min at 22°C. The secondary antibody used was DyLight® 488 goat anti-mouse IgG (H+L) (ab96879) at 1/500 dilution for 30 min at 22°C. Isotype control antibody (black line) was mouse IgG2b [PLPV219] (ab91366, 2µg/1x10⁶ cells) used under the same conditions. Acquisition of >5,000 events was performed. This antibody gave a positive signal in HeLa cells fixed with 4% paraformaldehyde (10 min)/permeabilized with 0.1% PBS-Tween for 20 min used under the same conditions.

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