

### Anti-Cenexin1/ODF2 antibody ab43840

★★★★☆ [4 Abreviews](#) [31 References](#) [3 图像](#)

#### 概述

产品名称	Anti-Cenexin1/ODF2抗体
描述	兔多克隆抗体to Cenexin1/ODF2
宿主	Rabbit
特异性	On the basis of the immunogen sequence, we would expect this antibody to recognise the following isoforms of Cenexin1/ODF2 as listed in Swissprot: Q5BJF6-1 (95 kDa), Q5BJF6-2 (89 kDa), Q5BJF6-3 (93 kDa), and Q5BJF6-4 (95 kDa).
经测试应用	适用于: WB, ICC/IF
种属反应性	与反应: Mouse, Human
免疫原	Synthetic peptide corresponding to Human Cenexin1/ODF2 aa 800 to the C-terminus (C terminal) conjugated to keyhole limpet haemocyanin. (Peptide available as <a href="#">ab43839</a> )
常规说明	<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&amp;As</p>

#### 性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
存储溶液	<p>pH: 7.40</p> <p>Preservative: 0.02% Sodium azide</p> <p>Constituent: PBS</p> <p>Batches of this product that have a concentration &lt; 1mg/ml may have BSA added as a stabilising agent. If you would like information about the formulation of a specific lot, please contact our scientific support team who will be happy to help.</p>
纯度	Immunogen affinity purified

克隆

多克隆

同种型

IgG

应用

The Abpromise guarantee

Abpromise™承诺保证使用ab43840于以下的经测试应用

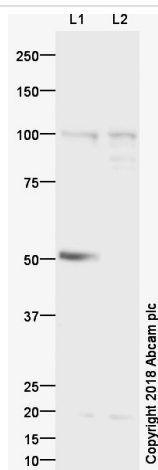
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB	★★★★★ (1)	Use a concentration of 1 µg/ml.
ICC/IF	★★★★★ (3)	1/400.

靶标

功能	Seems to be a major component of sperm tail outer dense fibers (ODF). ODFs are filamentous structures located on the outside of the axoneme in the midpiece and principal piece of the mammalian sperm tail and may help to maintain the passive elastic structures and elastic recoil of the sperm tail. May have a modulating influence on sperm motility. Functions as a general scaffold protein that is specifically localized at the distal/subdistal appendages of mother centrioles. Component of the centrosome matrix required for the localization of PLK1 and NIN to the centrosomes. Required for the formation and/or maintenance of normal CETN1 assembly.
组织特异性	Testis-specific (at protein level). Highly expressed in cytoplasm of step 2 round spermatids. Detected in the middle piece and extends to about half the principal piece of the sperm tails.
序列相似性	Belongs to the ODF2 family.
翻译后修饰	Tyrosine phosphorylated.
细胞定位	Cytoplasm > cytoskeleton > centrosome. Cell projection > cilium. Cytoplasm > cytoskeleton > centrosome > centriole. Cytoplasm > cytoskeleton > spindle pole. Localized at the microtubule organizing centers in interphase and spindle poles in mitosis. Localized at the distal/subdistal appendages of mother centrioles.

图片



Western blot - Anti-Cenexin1/ODF2 antibody  
(ab43840)

**All lanes :** ab43840 at 1 µg/ml

**Lane 1 :** HeLa (Human epithelial carcinoma cell line) Whole Cell  
Lysate at 25 µg

**Lane 2 :** MCF7 (Human breast adenocarcinoma) at 10 µg

#### Secondary

**All lanes :** Goat polyclonal to Rabbit IgG - H&L - Pre-Adsorbed  
(HRP) ([ab65484](#)) at 1/3000 dilution

Developed using the ECL technique.

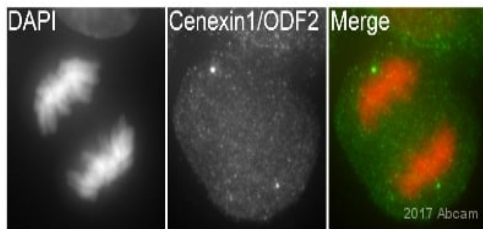
Performed under reducing conditions.

**Predicted band size:** 93 kDa

**Observed band size:** 100 kDa

**Exposure time:** 20 minutes

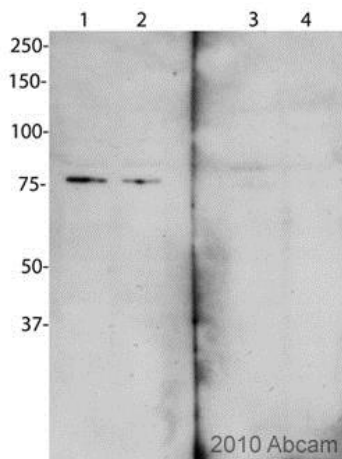
Abcam recommends using milk as the blocking agent. Abcam welcomes customer feedback and would appreciate any comments regarding this product and the data presented above.



Immunocytochemistry/ Immunofluorescence - Anti-Cenexin1/ODF2 antibody (ab43840)

This image is courtesy of an Abreview submitted by Kirk McManus, Univ. of Manitoba/Cancer Care MCB.

Immunocytochemistry/ Immunofluorescence analysis of human HCT116 cells labeling Cenexin1/ODF2 with ab43840 at 1/400 dilution. Cells were fixed in formaldehyde and permeabilized with 0.5% Triton X-100 in PBS. Staining with ab43840 at 1/400 was carried out for 1 hour at 22°C in PBS buffer. **ab150081**, a Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) preadsorbed secondary antibody was used at 1/200 dilution. DAPI was used to counterstain.



Western blot - Anti-Cenexin1/ODF2 antibody (ab43840)

Image courtesy of an anonymous abreview.

**All lanes :** Anti-Cenexin1/ODF2 antibody (ab43840) at 1/500 dilution

**Lane 1 :** 25 ug HeLa cell lysate

**Lane 2 :** 12.5 ug HeLa cell lysate

**Lane 3 :** 25 ug HeLa cell lysate with Human Cenexin1/ODF2 peptide (**ab43839**) at 4 µg/ml

**Lane 4 :** 12.5 ug HeLa cell lysate with Human Cenexin1/ODF2 peptide (**ab43839**) at 4 µg/ml

#### Secondary

**All lanes :** Anti-Rabbit IgG HRP-conjugated at 1/5000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

**Predicted band size:** 93 kDa

**Observed band size:** ~75 kDa

**Exposure time:** 4 minutes

Detection of Cenexin 1 by ab43840 in Western blot of HeLa cell lysates. Please see anonymous abreview for further details.

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

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