

# Anti-Cenexin1/ODF2 antibody [EPR13561] - BSA and Azide free ab250874

Recombinant RabMAb

4 Images

### Overview

<b>Product name</b>	Anti-Cenexin1/ODF2 antibody [EPR13561] - BSA and Azide free
<b>Description</b>	Rabbit monoclonal [EPR13561] to Cenexin1/ODF2 - BSA and Azide free
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> Flow Cyt (Intra), WB
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
<b>General notes</b>	<p>ab250874 is the carrier-free version of <a href="#">ab186412</a>.</p> <p>Our <b>carrier-free</b> antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.</p> <p>This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.</p> <p>Use our <b>conjugation kits</b> for antibody conjugates that are ready-to-use in as little as 20 minutes with &lt;1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.</p> <p>This product is compatible with the Maxpar<sup>®</sup> Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar<sup>®</sup> is a trademark of Fluidigm Canada Inc.</p> <p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> <li>- High batch-to-batch consistency and reproducibility</li> <li>- Improved sensitivity and specificity</li> <li>- Long-term security of supply</li> <li>- Animal-free production</li> </ul> <p>For more information <a href="#">see here</a>.</p> <p>Our RabMAb<sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a>.</p>

### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C. Do Not Freeze.
<b>Storage buffer</b>	pH: 7.2 Constituent: PBS
<b>Carrier free</b>	Yes
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EPR13561
<b>Isotype</b>	IgG

## Applications

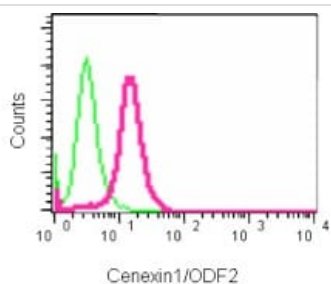
**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab250874 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
<b>Flow Cyt (Intra)</b>		Use at an assay dependent concentration.
<b>WB</b>		Use at an assay dependent concentration. Predicted molecular weight: 95 kDa.

## Target

<b>Function</b>	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.
<b>Tissue specificity</b>	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.
<b>Sequence similarities</b>	Belongs to the ODF2 family.
<b>Post-translational modifications</b>	Tyrosine phosphorylated.
<b>Cellular localization</b>	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.

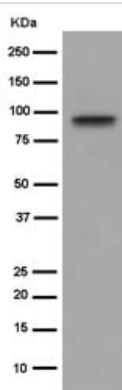
## Images



Flow Cytometry (Intracellular) - Anti-Cenexin1/ODF2 antibody [EPR13561] - BSA and Azide free (ab250874)

This data was developed using [\*\*ab186412\*\*](#), the same antibody clone in a different buffer formulation.

Intracellular flow cytometric analysis of paraformaldehyde fixed HeLa cells labeling Cenexin1/ODF2 with [\*\*ab186412\*\*](#) at 1/250 dilution and Goat anti-rabbit IgG (FITC) at 1/150 dilution



Western blot - Anti-Cenexin1/ODF2 antibody [EPR13561] - BSA and Azide free (ab250874)

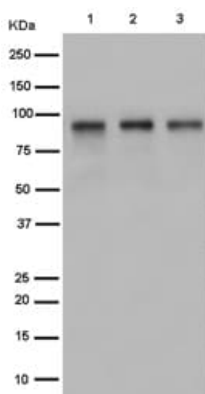
Anti-Cenexin1/ODF2 antibody [EPR13561] ([\*\*ab186412\*\*](#)) at 1/1000 dilution + Human testis lysate at 10 µg

### Secondary

Anti-Rabbit IgG (HRP), specific to the non-reduced form of IgG at 1/1000 dilution

**Predicted band size:** 95 kDa

This data was developed using [\*\*ab186412\*\*](#), the same antibody clone in a different buffer formulation.



Western blot - Anti-Cenexin1/ODF2 antibody [EPR13561] - BSA and Azide free (ab250874)

**All lanes :** Anti-Cenexin1/ODF2 antibody [EPR13561] ([\*\*ab186412\*\*](#)) at 1/1000 dilution

**Lane 1 :** Jurkat cell lysate

**Lane 2 :** HeLa cell lysate

**Lane 3 :** HepG2 cell lysate

Lysates/proteins at 20 µg per lane.





### Secondary

**All lanes :** Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

**Predicted band size:** 95 kDa

This data was developed using **ab186412**, the same antibody clone in a different buffer formulation.

Why choose a recombinant antibody?

 <b>Research with confidence</b> Consistent and reproducible results	 <b>Long-term and scalable supply</b> Recombinant technology
 <b>Success from the first experiment</b> Confirmed specificity	 <b>Ethical standards compliant</b> Animal-free production

Anti-Cenexin1/ODF2 antibody [EPR13561] - BSA and Azide free (ab250874)

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

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