


## Product datasheet

# Anti-CAND1 antibody [EPR14241] - N-terminal ab183748

Recombinant RabMAb

5 Images

### Overview

Product name	Anti-CAND1 antibody [EPR14241] - N-terminal
Description	Rabbit monoclonal [EPR14241] to CAND1 - N-terminal
Host species	Rabbit
Tested applications	<b>Suitable for:</b> WB, IHC-P, IP, Flow Cyt (Intra)
Species reactivity	<b>Reacts with:</b> Human <b>Predicted to work with:</b> Mouse, Rat 
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	Jurkat, 293T, Saos-2 whole cell lysates, paraffin-embedded Human pancreas tissue. 293T cells.
General notes	<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

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: 7.2 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR14241

## Isotype

IgG

## Applications

### The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab183748 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		1/10000 - 1/50000. Detects a band of approximately 136 kDa (predicted molecular weight: 136 kDa).
IHC-P		1/50 - 1/100. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
IP		1/50 - 1/70.
Flow Cyt (Intra)		1/220. <b><u>ab172730</u></b> - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.

## Target

### Function

Enhances transcription from various types of promoters (By similarity). Regulatory protein that interferes with the assembly of the SCF (SKP1-CUL1-F-box protein) ubiquitin ligase complex and thereby down-regulates ubiquitination of target proteins. Prevents neddylation of CUL1 by physically blocking access to the neddylation site. Disrupts interactions between CUL1 and SKP1 and between CUL1 and F-box proteins.

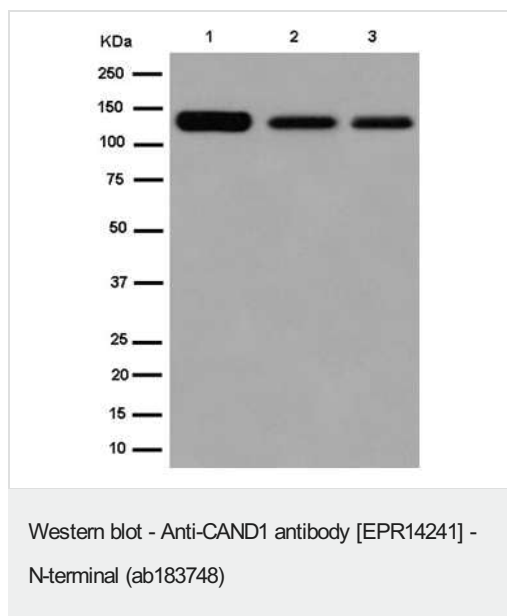
### Sequence similarities

Belongs to the CAND family.  
Contains 27 HEAT repeats.

### Cellular localization

Nucleus.

## Images



**All lanes :** Anti-CAND1 antibody [EPR14241] - N-terminal (ab183748) at 1/20000 dilution

**Lane 1 :** 293T whole cell lysate

**Lane 2 :** Jurkat whole cell lysate

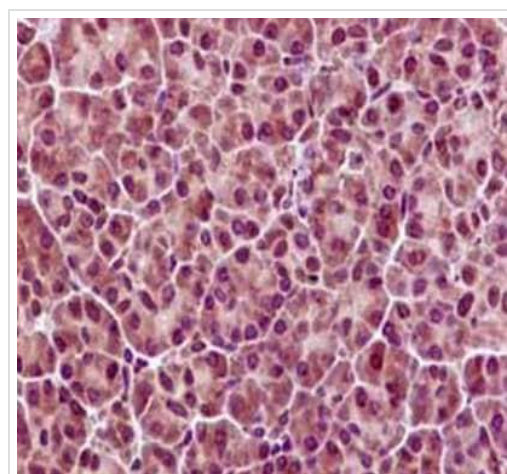
**Lane 3 :** Saos-2 whole cell lysate

Lysates/proteins at 20 µg per lane.

### Secondary

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

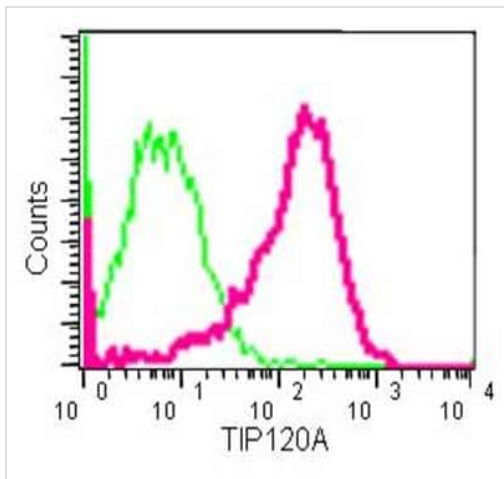
**Predicted band size:** 136 kDa



Immunohistochemical analysis of Paraffin-embedded Human pancreas tissue labeling CAND1 with ab183748 at 1/100 dilution. HRP conjugated Rabbit IgG was used as a secondary antibody. Counter stained with Hematoxylin.

Perform heat mediated antigen retrieval with EDTA buffer pH 9 before commencing with IHC staining protocol.

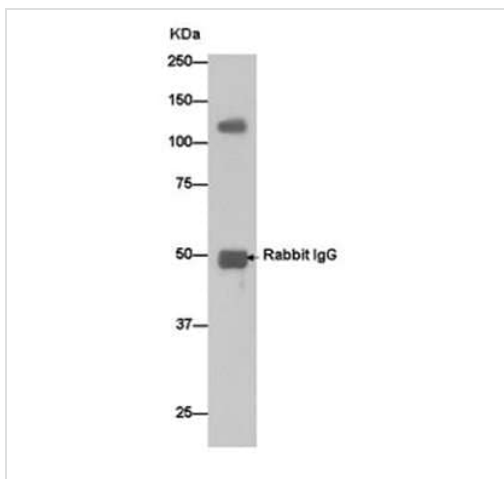
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CAND1 antibody [EPR14241] - N-terminal (ab183748)



Flow Cytometry (Intracellular) - Anti-CAND1 antibody  
[EPR14241] - N-terminal (ab183748)

Intracellular flow cytometric analysis of 293T cells (fixed in 2% paraformaldehyde) labeling CAND1 with ab183748 at 1/220 dilution (red).

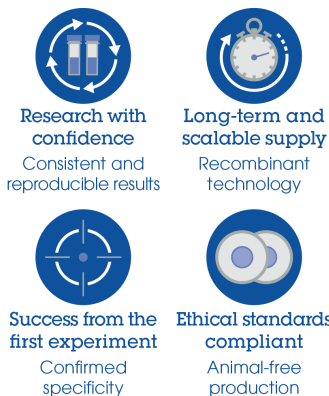
Isotype control Rabbit monoclonal IgG (green). Secondary antibody Goat anti rabbit IgG (FITC) at a 1/150 dilution.



Immunoprecipitation - Anti-CAND1 antibody  
[EPR14241] - N-terminal (ab183748)

Western blot analysis of CAND1 in immunoprecipitation pellets from Jurkat lysate. ab183748 used at 1/50 dilution. Secondary antibody Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000.

### Why choose a recombinant antibody?



Anti-CAND1 antibody [EPR14241] - N-terminal  
(ab183748)

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

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