

## Product datasheet

# Anti-Cdc20 antibody [AR12] ab190711

### Overview

<b>Product name</b>	Anti-Cdc20 antibody [AR12]
<b>Description</b>	Mouse monoclonal [AR12] to Cdc20
<b>Host species</b>	Mouse
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	<p>Full length protein (His-tag) corresponding to Human Cdc20 aa 1-499. Urea-denatured His6 Cdc20 Human recombinant protein</p> <p>Sequence:</p> <pre> MAQFAFESDLHSLQLDAPIPNAPPARWQRKAKEEAAGPA PSPMRAANRSH SAGRTPGRTPGKSSSKVQTTPSKPGGDRYIPHRSAQME VASFLLSKENQ PENSQPTKKEHQKAWALNLNGFDVEEAKILRLSGKPQN APEGYQNRLKV LYSQKATPGSSRKTCRYPSLPDRILDAPEIRNDYYLNLVD WSSGNVLAV ALDNSVYLWSASSGDILQLLQMEQPGEYISSVAWIKEGNY LAVGTSSAEV QLWDVQQQKRLRNMTSHSARVGSLSWNSYLSSGSRSG HIHHHDVRVAEH HVATLSGHSQEVCGLRWAPDGRHLASGGNDNLVNVWPS APGEGGWVPLQT FTQHQGAVKAWAWCPWQSNVLATGGGTSDRHIRIWNVC SGACLSAVDAHS QVCSILWSPHYKELISGHGFAQNQLVIWKYPTMAKVAELK GHTSRVLSLT MSPDGATVASAAADETLRLWRCFELDPARRREREKASA AKSSLIHQGIR </pre>

Database link: [Q12834](#)

[Run BLAST with](#)

[Run BLAST with](#)

**Positive control** Ramos or HeLa cells, Tonsil

**General notes**

Reproducibility is key to advancing scientific discovery and accelerating scientists' next breakthrough.

Abcam is leading the way with our range of recombinant antibodies, knockout-validated antibodies and knockout cell lines, all of which support improved reproducibility.

We are also planning to innovate the way in which we present recommended applications and species on our product datasheets, so that only applications & species that have been tested in our own labs, our suppliers or by selected trusted collaborators are covered by our Abpromise™ guarantee.

In preparation for this, we have started to update the applications & species that this product is Abpromise guaranteed for.

We are also updating the applications & species that this product has been “predicted to work with,” however this information is not covered by our Abpromise guarantee.

Applications & species from publications and Abreviews that have not been tested in our own labs or in those of our suppliers are not covered by the Abpromise guarantee.

Please check that this product meets your needs before purchasing. 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, as well as customer reviews and Q&As.

## Properties

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<b>Form</b>	Liquid
<b>Storage instructions</b>	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.
<b>Storage buffer</b>	Preservative: 0.05% Sodium azide Constituents: 0.05% BSA, PBS
<b>Purification notes</b>	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	AR12
<b>Isotype</b>	IgG1
<b>Light chain type</b>	kappa

## Target

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<b>Function</b>	Required for full ubiquitin ligase activity of the anaphase promoting complex/cyclosome (APC/C) and may confer substrate specificity upon the complex. Is regulated by MAD2L1. In metaphase the MAD2L1-CDC20-APC/C ternary complex is inactive and in anaphase the CDC20-APC/C binary complex is active in degrading substrates.
<b>Pathway</b>	Protein modification; protein ubiquitination.
<b>Sequence similarities</b>	Belongs to the WD repeat CDC20/Fizzy family. Contains 7 WD repeats.
<b>Developmental stage</b>	Synthesis is initiated at G1/S, protein level peaks in M phase and protein is abruptly degraded at M/G1 transition.
<b>Post-translational modifications</b>	Phosphorylated during mitosis, probably by maturation promoting factor (MPF). Phosphorylated by BUB1 at Ser-41; Ser-72; Ser-92; Ser-153; Thr-157 and Ser-161. Ubiquitinated and degraded by the proteasome during spindle assembly checkpoint. Deubiquitinated by USP44, leading to stabilize the MAD2L1-CDC20-APC/C ternary complex, thereby preventing premature activation of the APC/C.

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

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- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
  
- We provide support in Chinese, English, French, German, Japanese and Spanish
- 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.

### **Terms and conditions**

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