abcam

ab192237

Anti-CDCA5 antibody [EPR16331] - C-terminal

Anti-CDCA5 antibody [EPR16331] - C-terminal (ab192237) is a rabbit monoclonal antibody detecting CDCA5 in **Western Blot, Flow Cytometry (Intra), IHC-P, ICC/IF**. Suitable for **Human**.

- Biophysical QC for unrivalled batch-batch consistency
- Over 10 publications

Recombinant | RabMAb

Key facts

Isotype	IgG
Host species	Rabbit
Storage buffer	pH: 7.2 - 7.4 Preservative: 0.01% Sodium azide Constituents: PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
Form	Liquid
Clonality	Monoclonal
Immunogen	The exact immunogen used to generate this antibody is proprietary information.
Clone number	EPR16331
Purification technique	Affinity purification Protein A
Concentration	0.5745 mg/mL The concentration of this product may be batch-dependent Batch concentration finder →

Reactivity data

WB

Tested

Species	Human

Dilution info	1/1000 - 1/10000
Notes	-

ICC/IF

Tested

Species	Human
Dilution info	1/100
Notes	-

Flow Cyt (Intra)

Tested

Species	Human
Dilution info	1/100
Notes	ab172730 - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.

IHC-P

Tested

Species	Human
Dilution info	1/50 - 1/100
Notes	Perform heat-mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

Target data

See full target information Sororin

Function	Regulator of sister chromatid cohesion in mitosis stabilizing cohesin complex association with chromatin. May antagonize the action of WAPL which stimulates cohesin dissociation from chromatin. Cohesion ensures that chromosome partitioning is accurate in both meiotic and mitotic cells and plays an important role in DNA repair. Required for efficient DNA double-stranded break repair.

Storage

Shipped at conditions	Conditional Ambient
Appropriate short-term storage duration	1-2 weeks
Appropriate short-term storage conditions	+4°C
Appropriate long-term storage conditions	-20°C
Aliquoting information	Upon delivery aliquot
Storage information	Avoid freeze / thaw cycle

Notes

What is this antibody validated in?
Anti-CDCA5 antibody [EPR16331] - C-terminal (ab192237) is a rabbit recombinant monoclonal antibody and is validated for use in Western Blot (WB), Flow Cytometry (Intra), Immunohistochemistry (IHC-P), Immunocytochemistry/immunofluorescence (ICC/IF) in Human samples.

What is the molecular weight of CDCA5?
Anti-CDCA5 [EPR16331] - C-terminal (ab192237) specifically detects a band for CDCA5 (UniProt: Q96FF9) at a molecular weight of 28kDa.

Trusted by the scientific community
Anti-CDCA5 [EPR16331] - C-terminal (ab192237) was first used in a scientific publication in 2014 and has been cited over 10 times in peer-reviewed journals.

Other related products
We have a range of other formats of antibody clone [EPR16331] also available for your convenience: ab192237, Alexa Fluor® 647 - ab225376, PE - ab225377, Carrier free - ab240328, APC - ab319299, Alexa Fluor® 488 - ab319573, Alexa Fluor® 594 - ab319792, Alexa Fluor® 555 - ab319933, Alexa Fluor® 750 - ab321325

Patented technology
Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb® patents.

What are the advantages of a recombinant monoclonal antibody?
This product is a recombinant monoclonal antibody, which offers several advantages including:

- High batch-to-batch consistency and reproducibility
- Improved sensitivity and specificity
- Long-term security of supply
- Animal-free batch production

For more information, read more on recombinant antibodies.

Product promise

Tested

We have tested this species and application combination and it works. It is covered by our product promise.

Expected

We have not tested this specific species and application combination in-house, but expect it will work. It is covered by our product promise.

Predicted

This species and application combination has not been tested, but we predict it will work based on strong homology. However, this combination is not covered by our product promise.

Not recommended

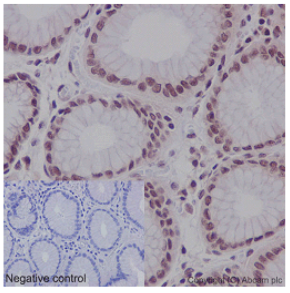
We do not recommend this combination. It is not covered by our product promise.

We are dedicated to supporting your work with high quality reagents and we are here for you every step of the way should you need us.

In the unlikely event of one of our products not working as expected, you are covered by our product promise.

Full details and terms and conditions can be found here:
Terms & Conditions.

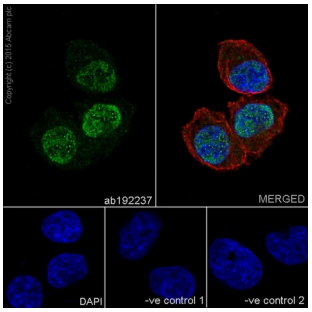
5 product images



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CDCA5 antibody [EPR16331] - C-terminal (ab192237)

CDCA5 Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining using rabbit Anti-CDCA5 antibody

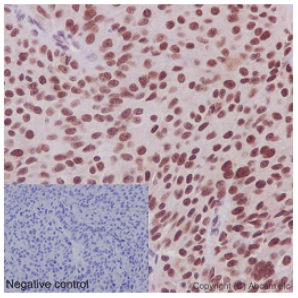
Immunohistochemical analysis of paraffin-embedded Human stomach tissue labeling CDCA5 with ab192237 at 1/100 (5 µg/ml) dilution followed by pre-diluted HRP Polymer for Rabbit/Mouse IgG secondary antibody and counter-stained with Hematoxylin. (inset: negative control).
Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Immunocytochemistry/ Immunofluorescence - Anti-CDCA5 antibody [EPR16331] - C-terminal (ab192237)

CDCA5 Immunocytochemistry/ Immunofluorescence staining using rabbit Anti-CDCA5 antibody

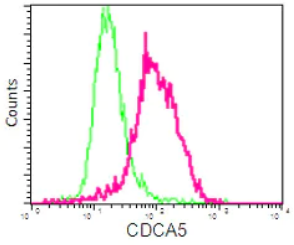
Immunofluorescent analysis of HeLa cells (4% Paraformaldehyde-fixed, 0.1% tritonX-100 permeabilized) labeling CDCA5 with ab192237 at 1/100 dilution (5µg/mL) followed by Goat anti rabbit IgG (AlexaFluor® 488) (ab150077) secondary at 1/200 dilution and counter-stained with DAPI (blue).
Negative controls: anti-CDCA5 at 1/100 dilution, Secondary ab (Goat anti mouse IgG (Alexa Fluor®594)) at 1/400 dilution.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CDCA5 antibody [EPR16331] - C-terminal (ab192237)

CDCA5 Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining using rabbit Anti-CDCA5 antibody

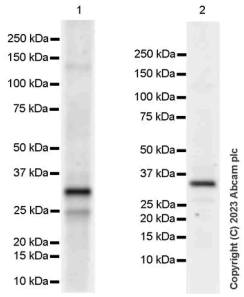
Immunohistochemical analysis of paraffin-embedded Human endometrium adenocarcinoma tissue labeling CDCA5 with ab192237 at 1/100 (5 µg/ml) dilution followed by pre-diluted HRP Polymer for Rabbit/Mouse IgG secondary antibody and counter-stained with Hematoxylin. (inset: negative control).
Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Flow Cytometry (Intracellular) - Anti-CDCA5 antibody [EPR16331] - C-terminal (ab192237)

CDCA5 Flow Cytometry (Intracellular) staining using rabbit Anti-CDCA5 antibody

Intracellular flow cytometric analysis of 293 cells (paraformaldehyde-fixed, 2%) labeling CDCA5with ab192237 at 1/100 dilution (red) or a rabbit IgG (negative) (green), followed by Goat anti rabbit IgG (FITC) secondary at 1/150 dilution.



Western blot - Anti-CDCA5 antibody [EPR16331] - C-terminal (ab192237)

Lysates were freshly made and used for Western blotting immediately to minimize protein degradation. Blocking and diluting buffer and concntration: 5% NFDM/TBST Imaging carried out using iBright CL 1000 Imaging System Exposure time: Lane 1: 180 seconds, Lane 2: 48 seconds.
All lanes:
Western blot - Anti-CDCA5 antibody [EPR16331] - C-terminal (ab192237) at 1/1000 dilution

Lane 1:
HeLa (human cervical adenocarcinoma epithelial cell) whole cell lysate at 20 µg

Lane 2:
SH-SY5Y (human neuroblastoma epithelial cell) whole cell lysate at 20 µg

Secondary

All lanes:
Western blot - Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/20000 dilution

Predicted band size: 28 kDa

Observed band size: 27 kDa

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.