

Product datasheet

Anti-CCDC98 antibody ab204307

[6 Images](#)

Overview

Product name	Anti-CCDC98 antibody
Description	Rabbit polyclonal to CCDC98
Host species	Rabbit
Tested applications	Suitable for: IHC-P, WB, ICC/IF
Species reactivity	Reacts with: Human
Immunogen	Recombinant fragment corresponding to Human CCDC98 aa 300 to the C-terminus. Database link: Q6UWZ7 Run BLAST with Run BLAST with
Positive control	IHC-P: Human testis tissue, tonsils tissue. WB: RT4 and U-251 MG cell lysate. ICC/IF: U-2 OS cells.
General notes	<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&As</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: 7.20 Preservative: 0.02% Sodium azide Constituents: 40% Glycerol (glycerin, glycerine), 59% PBS
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab204307 in the following tested applications.

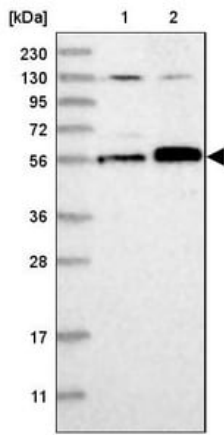
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		1/200 - 1/500. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
WB		Use a concentration of 0.04 - 0.4 µg/ml. Predicted molecular weight: 47 kDa.
ICC/IF		Use a concentration of 0.25 - 2 µg/ml.

Target

Function	Component of the BRCA1-A complex, a complex that specifically recognizes 'Lys-63'-linked ubiquitinated histones H2A and H2AX at DNA lesions sites, leading to target the BRCA1-BARD1 heterodimer to sites of DNA damage at double-strand breaks (DSBs). The BRCA1-A complex also possesses deubiquitinase activity that specifically removes 'Lys-63'-linked ubiquitin on histones H2A and H2AX. In the BRCA1-A complex, it acts as a central scaffold protein that assembles the various components of the BRCA1-A complex and mediates the recruitment of BRCA1.
Sequence similarities	Belongs to the FAM175 family. Abraxas subfamily.
Domain	The MPN-like region is similar to the MPN (JAB/Mov34) domain. Its presence reveals similarities between the structure of the 19S proteasome and the BRCA1-A complexes.
Post-translational modifications	Phosphorylation of Ser-406 of the pSXXF motif by ATM or ATR constitutes a specific recognition motif for the BRCT domain of BRCA1. Phosphorylated upon DNA damage, probably by ATM or ATR.
Cellular localization	Nucleus. Localizes at sites of DNA damage at double-strand breaks.

Images



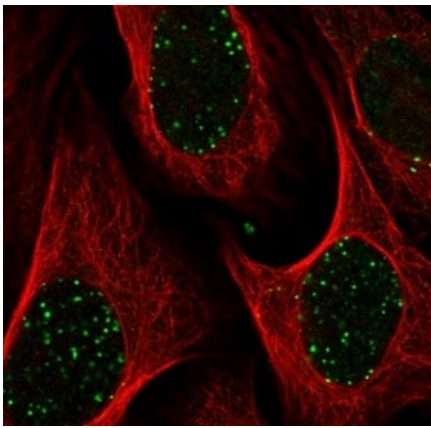
Western blot - Anti-CCDC98 antibody (ab204307)

All lanes : Anti-CCDC98 antibody (ab204307) at 1/100 dilution

Lane 1 : RT4 cell lysate

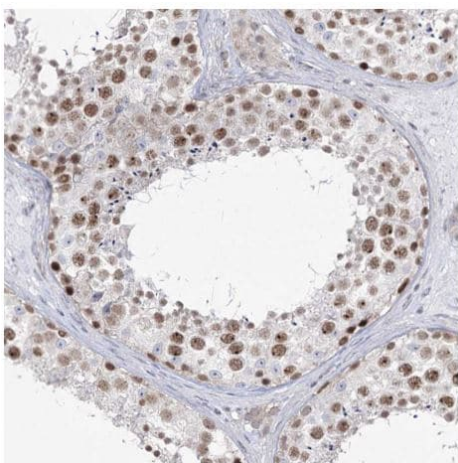
Lane 2 : U-251 MG cell lysate

Predicted band size: 47 kDa



Immunocytochemistry/ Immunofluorescence - Anti-CCDC98 antibody (ab204307)

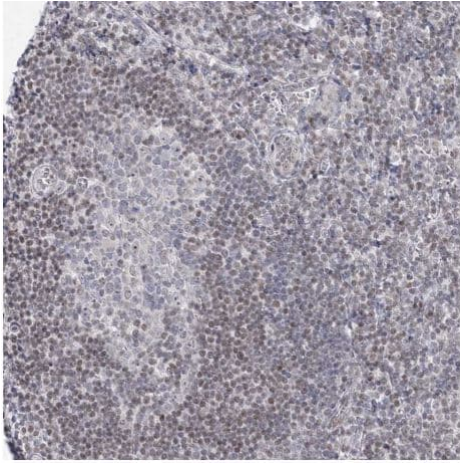
Immunofluorescent analysis of U-2 OS cells (PFA-fixed/Triton X-100 permeabilized) labeling CCDC98 with ab204307 at 4 µg/mL.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CCDC98 antibody (ab204307)

Paraffin embedded human testis tissue stained for CCDC98 using ab204307 at 1/500 dilution in immunohistochemical analysis.

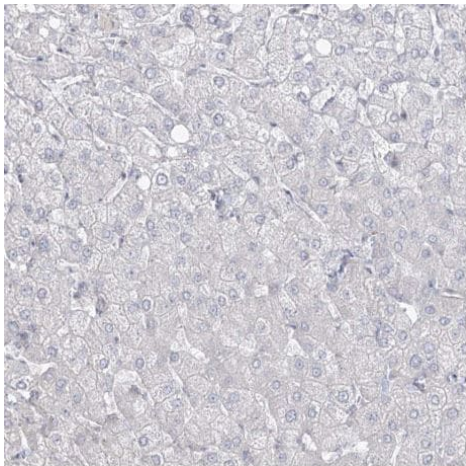
Heat mediated antigen retrieval was performed with citrate buffer pH 6 before the IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CCDC98 antibody (ab204307)

Paraffin embedded human tonsils tissue stained for CCDC98 using ab204307 at 1/500 dilution in immunohistochemical analysis.

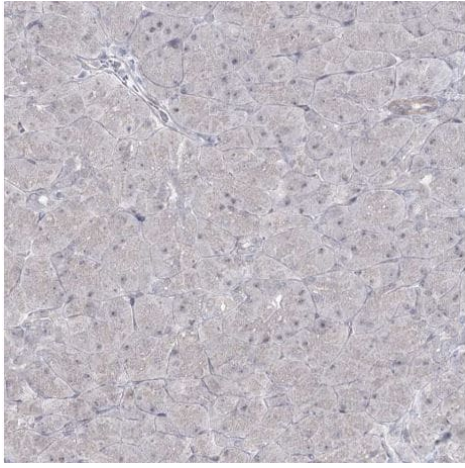
Heat mediated antigen retrieval was performed with citrate buffer pH 6 before the IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CCDC98 antibody (ab204307)

Paraffin embedded human liver tissue stained for CCDC98 using ab204307 at 1/500 dilution in immunohistochemical analysis. Shows no positivity in hepatocytes cells as expected.

Heat mediated antigen retrieval was performed with citrate buffer pH 6 before the IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CCDC98 antibody (ab204307)

Paraffin embedded human pancreas tissue stained for CCDC98 using ab204307 at 1/500 dilution in immunohistochemical analysis. Shows no positivity in exocrine glandular cells as expected.

Heat mediated antigen retrieval was performed with citrate buffer pH 6 before the IHC staining protocol.

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