

Product datasheet

Anti-CCDC98 antibody ab204307

3 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 311-408. Sequence: CNYNHHLDVVDNLTLMVEHTDIPEASPASTPQIIKHKTL DLDDRWQFKRS RLLDTQDKRSKADTGSSNQDKASKMSSPETDEEIEK MKGFGEYSRSPT Database link: Q6UWZ7 <div style="float: right;"> Run BLAST with Run BLAST with </div>
Positive control	Human testis tissue. RT-4 and U-251 MG cell lysate. U-2 OS cells.

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, 59% PBS
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

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		1/50 - 1/200. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
WB		1/100 - 1/250. Predicted molecular weight: 47 kDa.
ICC/IF		Use a concentration of 1 - 4 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.

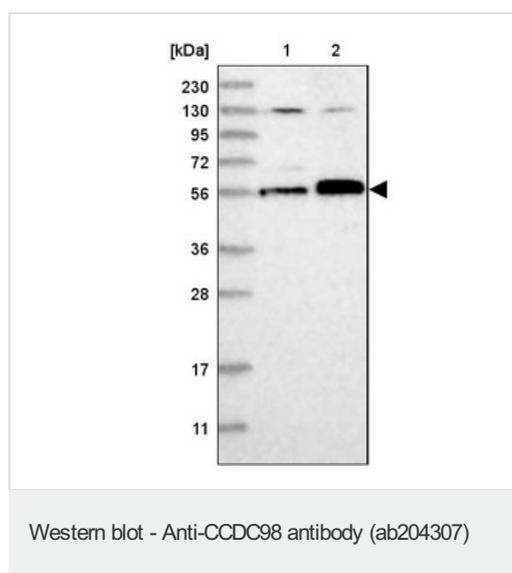
Sequence similarities Belongs to the FAM175 family. Abraxas subfamily.

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

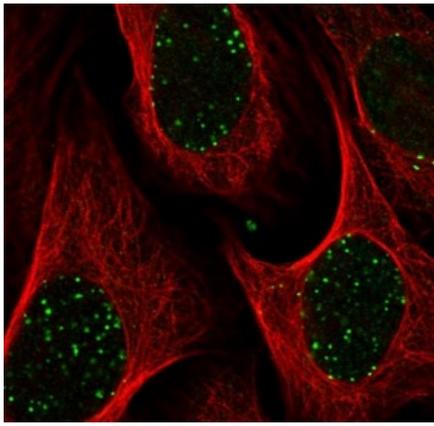


All lanes : Anti-CCDC98 antibody (ab204307) at 1/100 dilution

Lane 1 : RT-4 cell lysate

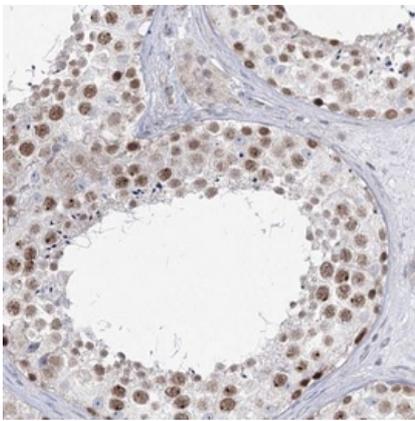
Lane 2 : U-251 MG cell lysate

Predicted band size: 47 kDa



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

Immunocytochemistry/ Immunofluorescence - Anti-CCDC98 antibody (ab204307)



Immunohistochemical analysis of paraffin-embedded Human testis tissue labeling CCDC98 with ab204307 at 1/50 dilution.

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

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

Our Abpromise to you: Quality guaranteed and expert technical support

- 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

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors