**Product Name:** **KD-Validated CCDC98 Recombinant Rabbit Monoclonal Antibody**
**Catalog #:** **KVAb01148**
For research use only.

## Summary

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|---|---|
| **Description** | KO&KD-Validated antibody |
| **Host** | Rabbit |
| **Application** | WB,FCM,ICC |
| **Reactivity** | Human |
| **Conjugation** | Unconjugated |
| **Modification** | Unmodified |
| **Isotype** | Rabbit IgG |
| **Clonality** | Rabbit mAb |
| **Form** | Liquid |
| **Storage** | Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles. |
| **Shipping** | Ice bags |
| **Buffer** | Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide. |
| **Purification** | Affinity purification |

## Application

| | |
|---|---|
| **Dilution Ratio** | WB 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000 |
| **Molecular Weight** | Calculated MW: 46.7kDa |

## Antigen Information

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|---|---|
| **Gene Name** | ABRAXAS1 |
| **Alternative Names** | ABRAXAS1; Antibodyraxas 1, BRCA1 A Complex Subunit 2; ABRA1; FAM175A; CCDC98; Family With Sequence Similarity 175 Member A; BRCA1-A Complex Subunit Antibodyraxas 1; Coiled-Coil Domain Containing 98; Antibodyraxas Protein; FLJ13614; ABRAXAS; Family With Sequence Similarity 175, Member A; Coiled-Coil Domain-Containing Protein 98; Protein FAM175A |
| **Gene ID** | 84142.0 |
| **SwissProt ID** | Q6UWZ7 |
| **Immunogen** | A synthesized peptide derived from human CCDC98 |

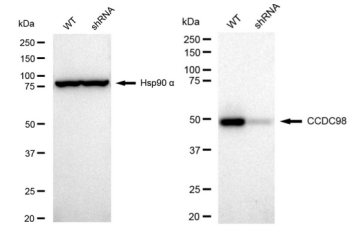
## Background

This gene encodes a protein that binds to the C-terminal repeats of breast cancer 1 (BRCA1) through a phospho-SXXF motif. The encoded protein recruits ubiquitin interaction motif containing 1 protein to BRCA1 protein and is required for DNA damage resistance, DNA repair, and cell cycle checkpoint control. Pseudogenes of this gene are found on chromosomes 3 and 8. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2016]

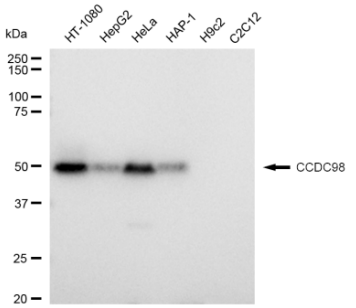
## Research Area

Epigenetics and Nuclear Signaling

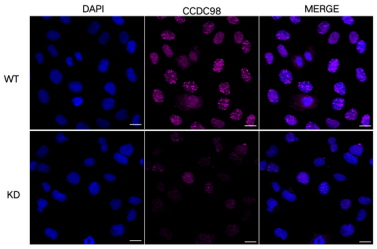
## Image Data



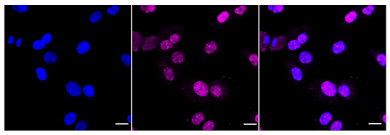

Western blotting analysis using CCDC98 antibody (KVAb01148). CCDC98 expression in wild type (WT) and CCDC98 shRNA knockdown (KD) HT-1080 cells with 30 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with CCDC98 antibody (KVAb01148, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



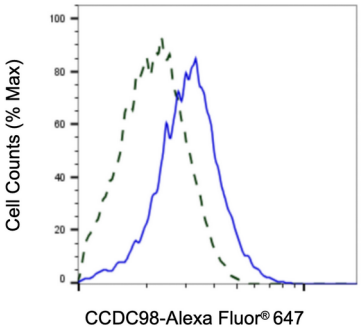

Western blotting analysis using CCDC98 antibody (KVAb01148). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with CCDC98 antibody (KVAb01148, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



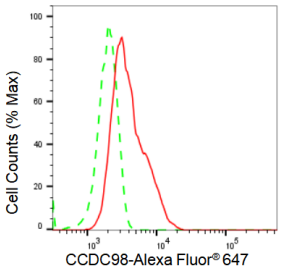

Immunocytochemical staining of HT-1080 cells using CCDC98 antibody (KVAb01148, 1:1,000), Top panel: wild-type (WT); Bottom panal: CCDC98 shRNA knockdown (KD). Nuclei were stained blue with DAPI; CCDC98 was stained magenta with Alexa Fluor® 647. Scale bar, 20 µm.



Immunocytochemical staining of HT-1080 cells with CCDC98 antibody (KVAb01148, 1:1,000) . Nuclei were stained blue with DAPI; CCDC98 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar, 20 µm.




Validation of CCDC98 knockdown using flow cytometry. Wild-type(WT, Blue) and knockdown(KD, Green) HT-1080 cells were stained with CCDC98 antibody (KVAb01148, 1:2,000) and analyzed using BD flow cytometer.




Flow cytometric analysis of CCDC98 expression in HT-1080 cells using CCDC98 antibody (KVAb01148, 1:2,000). Green, isotype control; red, CCDC98.