10320 Camino Santa Fe, Suite G
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Tel: 858.875.1900 Fax: 858.875.1999

CCDC98 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP58551

Specification

CCDC98 Polyclonal Antibody - Product Information

Application	**WB, IHC-P, IHC-F, IF, E**
Primary Accession	Q6UWZ7
Reactivity	**Rat, Pig, Dog, Bovine**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**47 KDa**
Physical State	**Liquid**
Immunogen	**KLH conjugated synthetic peptide derived from human CCDC98**
Epitope Specificity	**51-150/409**
Isotype	**IgG**
Purity	
affinity purified by Protein A	
Buffer	**0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.**
SUBCELLULAR LOCATION	**Nucleus. Note=Localizes at sites of DNA damage at double-strand breaks (DSBs).**
SIMILARITY	**Belongs to the FAM175 family. Abraxas subfamily.**
SUBUNIT	**Component of the BRCA1-A complex, at least composed of the BRCA1, BARD1, UIMC1/RAP80, FAM175A/Abraxas, BRCC3/BRCC36, BRE/BRCC45 and BABAM1/NBA1. In the complex, interacts directly with UIMC1/RAP80, BRCC3/BRCC36 and BRE/BRCC45. Interacts directly (when phosphorylated at Ser-406) with BRCA1. Binds polyubiquitin.**
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.**
Important Note	**This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.**

Background Descriptions
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.

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CCDC98 Polyclonal Antibody - Additional Information

Gene ID 84142

Other Names
BRCA1-A complex subunit Abraxas 1 {ECO:0000312|HGNC:HGNC:25829}, Coiled-coil domain-containing protein 98, Protein FAM175A, ABRAXAS1 (HGNC:25829)

Dilution
WB~~1:1000<br \>IHC-P~~N/A<br \>IHC-F~~N/A<br \>IF~~1:50~200<br \>E~~N/A

Format
0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage
Store at -20 ℃ for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 ℃.

CCDC98 Polyclonal Antibody - Protein Information

Name ABRAXAS1 (HGNC:25829)

Function
Involved in DNA damage response and double-strand break (DSB) repair. Component of the BRCA1-A complex, acting as a central scaffold protein that assembles the various components of the complex and mediates the recruitment of BRCA1. The BRCA1-A complex specifically recognizes 'Lys-63'-linked ubiquitinated histones H2A and H2AX at DNA lesion sites, leading to target the BRCA1-BARD1 heterodimer to sites of DNA damage at DSBs. This complex also possesses deubiquitinase activity that specifically removes 'Lys-63'-linked ubiquitin on histones H2A and H2AX.

Cellular Location
Nucleus Note=Localizes at sites of DNA damage at double-strand breaks (DSBs)

CCDC98 Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

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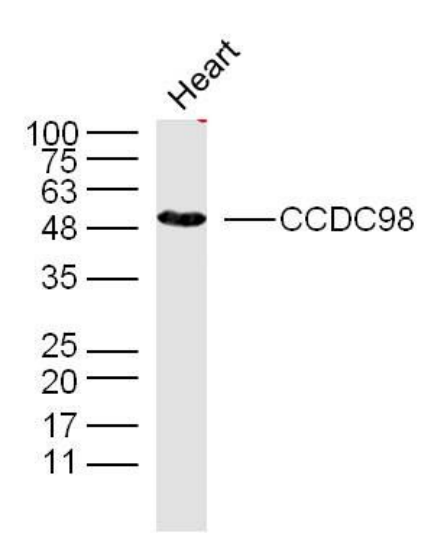
CCDC98 Polyclonal Antibody - Images



Sample: Heart (Mouse) Lysate at 40 ug
Primary: Anti-CCDC98 (bs-6921R) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 47 kD
Observed band size: 50 kD