



Rabbit Anti-CCDC98 antibody

SL6921R

Product Name:	CCDC98
Chinese Name:	卷曲螺旋结构域蛋白98抗体
Alias:	BRCA1-A complex subunit Abraxas; CCDC98; coiled coil domain containing 98; Coiled-coil domain-containing protein 98; F175A_HUMAN; FAM175A; FLJ11520; FLJ12642; FLJ13614; Protein FAM175A.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Dog,Pig,Cow,Horse,Sheep,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	47kDa
Cellular localization:	The nucleus
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human CCDC98:51-150/409
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. 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 °C.
PubMed:	PubMed
Product Detail:	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.

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.

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.

Subcellular Location:

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

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.

Similarity:

Belongs to the FAM175 family. Abraxas subfamily.

SWISS:

Q6UWZ7

Gene ID:

84142

Database links:

[Entrez Gene: 84142](#)Human

[Omir: 611143](#)Human

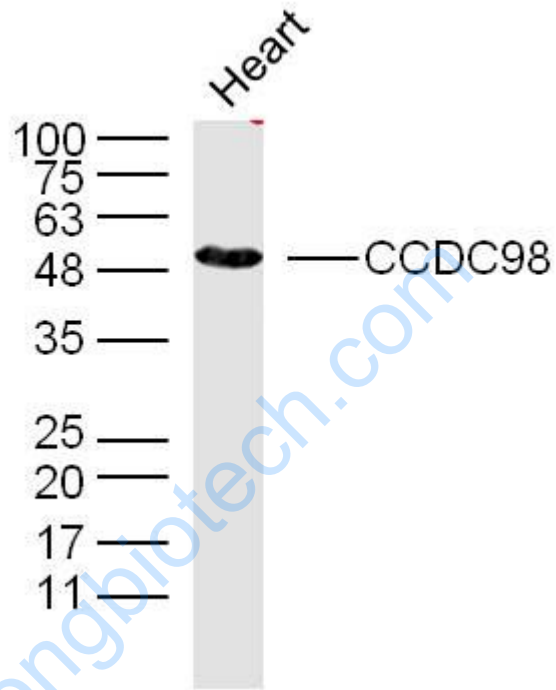
[SwissProt: Q6UWZ7](#)Human

[Unigene: 334772](#)Human

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Picture:



Sample: Heart (Mouse) Lysate at 40 ug

Primary: Anti-CCDC98 (SL6921R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 47 kD

Observed band size: 50 kD