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CCDC98 Rabbit pAb

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Catalog # AP58551

Product Information

Application	WB
Primary Accession	Q6UWZ7
Reactivity	Mouse
Predicted	Rat, Pig, Dog, Human, Chicken, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	46663
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).
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.

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=1:500-2000
Storage	Store at -20 °C 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 °C.

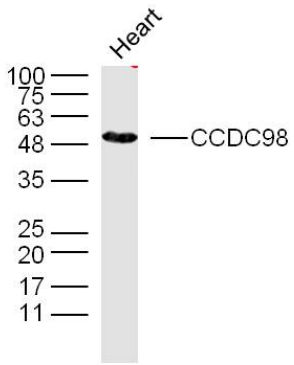
Protein Information

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)

Background

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Images



Sample: Heart (Mouse) Lysate at 40 ug
Primary: Anti-CCDC98 (AP58551) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 47 kD
Observed band size: 50 kD

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.