Datasheet for ABIN499595

anti-CCDC98 antibody (N-Term)

2 Images

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Overview

Quantity:	0.1 mg
Target:	CCDC98 (FAM175A)
Binding Specificity:	N-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CCDC98 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	CCDC98 antibody was raised against a 15 amino acid peptide from near the amino terminus of human CCDC98.
Isotype:	IgG
Specificity:	This antibody reacts to CCDC98.
Purification:	Affinity chromatography purified via peptide column

Target Details

Target:	CCDC98 (FAM175A)
Alternative Name:	CCDC98 (FAM175A Products)

Target Details

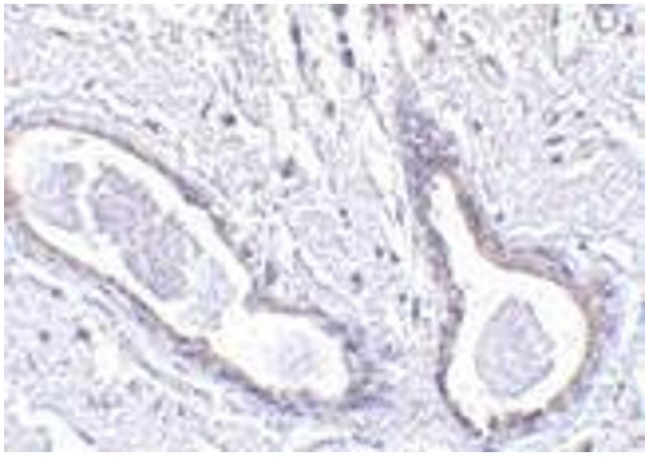
Background:	CCDC98, also known as Abraxas 1, was identified through protein binding studies using the breast and ovarian predisposition protein BRCA1 as the binding target. CCDC98 recruits RAP80, a ubiquitin-binding protein, to BRCA1, allowing the formation of BRCA1 foci in response to DNA damage caused by ionizing radiation. Both CCDC98 and RAP80 are required for DNA damage resistance, G2-M checkpoint control, and DNA repair. Cells depleted of either CCDC98 or RAP80 exhibited increased sensitivity to ionizing radiation, although not as much as in BRCA1-depleted cells, suggesting that CCDC98 and RAP80 control only part of the DNA damage response role of BRCA1. At least two isoforms of CCDC98 are known to exist.Synonyms: ABRA1, Abraxas, BRCA1-A complex subunit Abraxas, Coiled-coil domain-containing protein 98, Protein FAM175A
Gene ID:	84142
NCBI Accession:	NP_620775
UniProt:	Q6UWZ7
Pathways:	DNA Damage Repair, Positive Regulation of Response to DNA Damage Stimulus

Application Details

Application Notes:	ELISA. Western Blot: CCDC98 antibody can be used for detection of CCDC98 at 1 - 2 µg/mL. Immunohistochemistry. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only

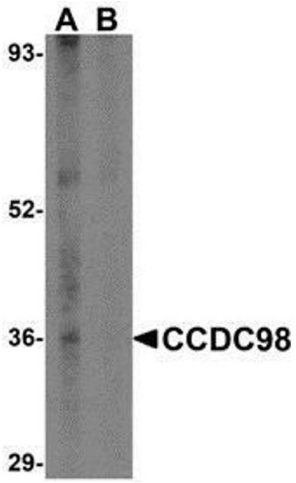
Handling

Buffer:	PBS containing 0.02 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C
Storage Comment:	Store the antibody undiluted at 2-8 °C.



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemistry of CCDC98 in human breast tissue with CCDC98 antibody at 5 µg/ml.



Western Blotting

Image 2. Western blot analysis of CCDC98 in human breast tissue lysate in (A) the absence and (B) presence of blocking peptide with AP30214PU-N CCDC98 antibody at 1 µg/ml.