
CCDC98 Antibody

Subcategory: Rabbit Polyclonal Antibody

Cat. No.: 253767

Unit: 0.1 mg

Description:

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.

Isotype: Rabbit Ig

Applications: E, WB, IHC

Species Reactivity: H, M

Format: Each vial contains 0.1 ml IgG in PBS pH 7.4 with 0.02% sodium azide. Antibody was purified by immunogen affinity chromatography.

Alternate Names: CCDC98 ; Coiled-coil domain 98; Abraxas 1; ABRA1

Accession No.: NP_620775

Antigen: KLH-conjugated synthetic peptide encompassing a sequence within human CCDC98.

Application Notes: E: 1:500-1:1,000; WB: 1:100-1:500; IHC: 1:00-1:500

Storage: Store at -20°C. Minimize freeze-thaw cycles.

Product is guaranteed one year from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.