

CCDC98 (H-100): sc-135220

BACKGROUND

Coiled-coil domain-containing protein 98 (CCDC98), also known as FAM175A and ABRA1, is a 409 amino acid member of the FAM175 family. Functioning as a breast cancer-1 (BRCA1) interacting protein, CCDC98 co-localizes with BRCA1 to play a role in DNA repair. BRCA1 is a protein that is recruited to DNA breaks and participates in checkpoint regulations, specifically during S phase and at the G₂/M transition. CCDC98 acts upstream of BRCA1 and regulates BRCA1 in DNA repair and checkpoint regulations in a phosphorylation-dependent manner. Moreover, CCDC98 has been shown to be necessary for the formation of BRCA1 foci in response to ionizing radiation.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: FAM175A (human) mapping to 4q21.23; Fam175a (mouse) mapping to 5 E4.

SOURCE

CCDC98 (H-100) is a rabbit polyclonal antibody raised against amino acids 33-132 mapping within an internal region of CCDC98 of human origin.

PRODUCT

Each vial contains 200 µg IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

RESEARCH USE

For research use only, not for use in diagnostic procedures.

APPLICATIONS

CCDC98 (H-100) is recommended for detection of CCDC98 of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 µg per 100-500 µg of total protein (1 ml of cell lysate)], immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

CCDC98 (H-100) is also recommended for detection of CCDC98 in additional species, including equine, canine, bovine, porcine and avian.

Suitable for use as control antibody for CCDC98 siRNA (h): sc-105186, CCDC98 siRNA (m): sc-142163, CCDC98 shRNA Plasmid (h): sc-105186-SH, CCDC98 shRNA Plasmid (m): sc-142163-SH, CCDC98 shRNA (h) Lentiviral Particles: sc-105186-V and CCDC98 shRNA (m) Lentiviral Particles: sc-142163-V.

Molecular Weight of CCDC98: 47 kDa.

RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use goat anti-rabbit IgG-HRP: sc-2004 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible goat anti-rabbit IgG-HRP: sc-2030 (dilution range: 1:2000-1:5000), Cruz Marker™ Molecular Weight Standards: sc-2035, TBS Blotto A Blocking Reagent: sc-2333 and Western Blotting Luminol Reagent: sc-2048. 2) Immunoprecipitation: use Protein A/G PLUS-Agarose: sc-2003 (0.5 ml agarose/2.0 ml). 3) Immunofluorescence: use goat anti-rabbit IgG-FITC: sc-2012 (dilution range: 1:100-1:400) or goat anti-rabbit IgG-TR: sc-2780 (dilution range: 1:100-1:400) with UltraCruz™ Mounting Medium: sc-24941.

STORAGE

Store at 4° C, **DO NOT FREEZE** Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

PROTOCOLS

See our web site at www.scbt.com or our catalog for detailed protocols and support products.



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Satisfaction
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Try **CCDC98 (A-3): sc-376951**, our highly recommended monoclonal alternative to CCDC98 (H-100).