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BRCA2 (C) Antibody, Rabbit Polyclonal

Cat#: R1491-2

Quantity: 100 ul

Predicted | Observed M.W.: 384 kDa

Lot#: Refer to vial

Application: WB

Uniprot ID: P51587

Background:

Breast cancer type 2 susceptibility protein (BRCA2) is involved in double-strand break repair and/or homologous recombination. BRCA2 binds RAD51 and potentiates recombinational DNA repair by promoting assembly of RAD51 onto single-stranded DNA (ssDNA). Additionally, BRCA2 acts by targeting RAD51 to ssDNA over double-stranded DNA, enabling RAD51 to displace replication protein-A (RPA) from ssDNA and stabilizing RAD51-ssDNA filaments by blocking ATP hydrolysis.

Other Names:

Breast cancer type 2 susceptibility protein, Fanconi anemia group D1 protein, FACD, FANCD1

Source and Purity:

Rabbit polyclonal antibodies were produced by immunizing animals with a GST-fusion protein containing the C-terminal region of human BRCA2. Antibodies were purified by affinity purification using immunogen.

Storage Buffer and Condition:

Supplied in 1 x PBS (pH 7.4), 100 ug/ml BSA, 40% Glycerol, 0.01% NaN₃. Store at -20 °C. Stable for 6 months from date of receipt.

Species Specificity:

Human

Tested Applications:

WB: 1:1,000-1:3,000 (detect endogenous protein*)

*: The apparent protein size on WB may be different from the calculated M.W. due to modifications.

Product Data:

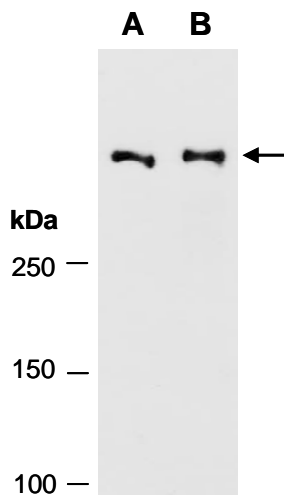


Fig 1. Western blot of total cell extracts from (A) human HeLa, (B) human Jurkat; using anti-BRCA2 (C) (R1491-2) at RT for 2 h.