

BRCA2 C-terminal RAD51-binding domain confers resistance to DNA-damaging agents

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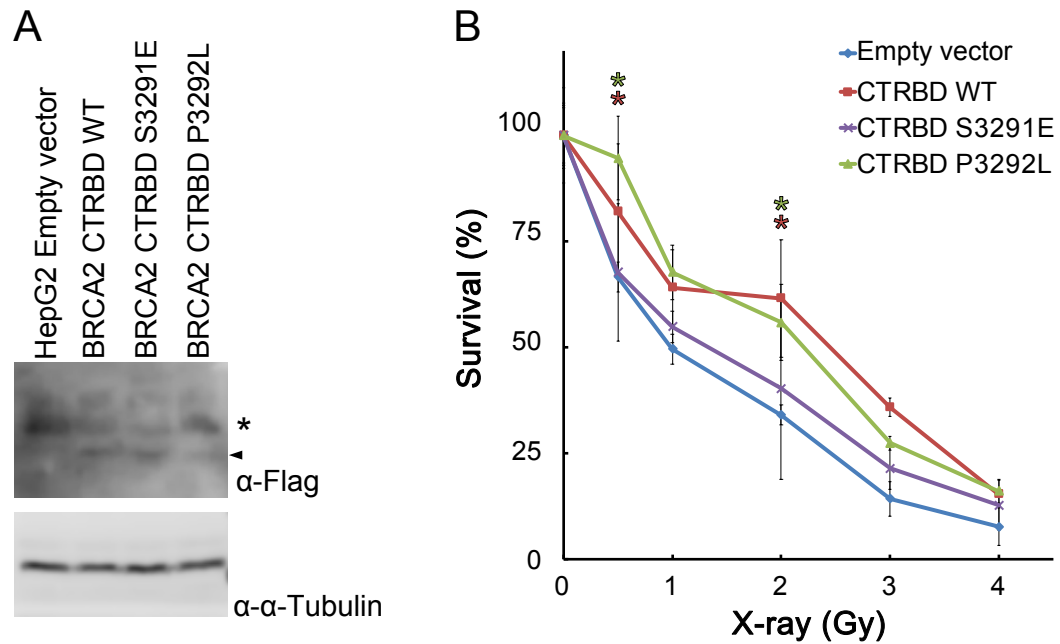
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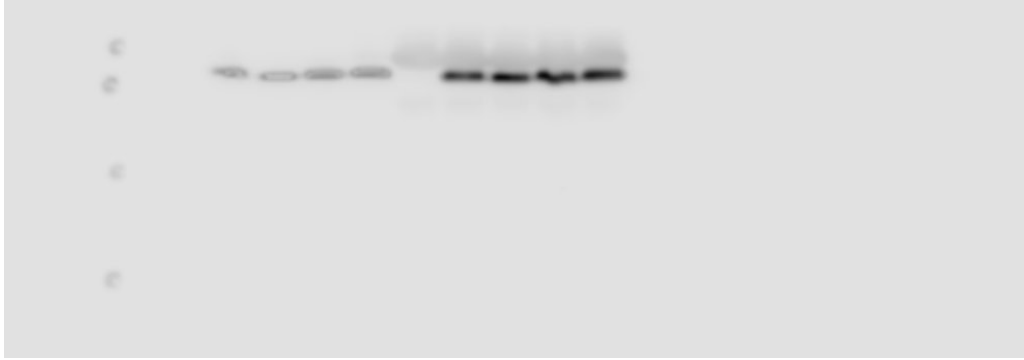


Supplementary Figure S1. C-terminal RAD51-binding domain also confers resistance to X-ray irradiation and MMC treatment in HepG2 cells.

(A) Expression of exogenous FLAG-HA-fused BRCA2 C-terminal RAD51-binding domain (3260–3331 aa) and its mutants (S3291E and P3292L) was evaluated by western blotting, using an anti-FLAG antibody. Asterisks indicate nonspecific bands. (B and C) A clonogenic survival assay of FLAG-HA-fused BRCA2 C-terminal RAD51-binding domain-expressing cells treated with X-ray irradiation is shown. Results are presented as the mean at each X-ray or MMC dose, and the error bars indicate the standard deviation ($n = 3$). Significance was examined by F-test, followed by Student's *t*-test with Holm's correction. Asterisks indicate significant differences between empty vector-transduced HeLa cells and FLAG-HA-fused wild-type or P3292L-mutated BRCA2 C-terminal RAD51-binding domain-expressing cells (*: $p < 0.05$). CTRBD; C-terminal RAD51-binding domain.

A

	Input					IP-Flag					
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α-Flag



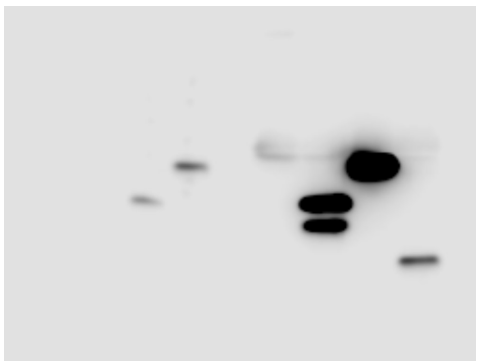
α-RAD51



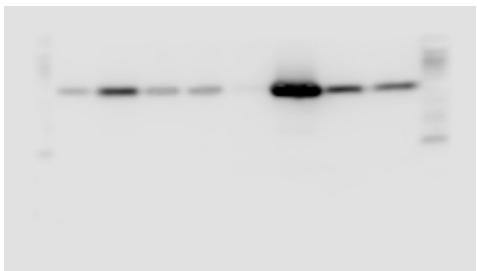
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B

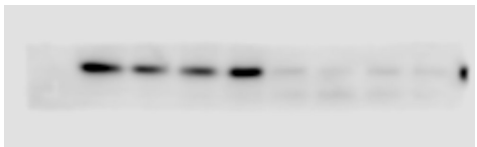
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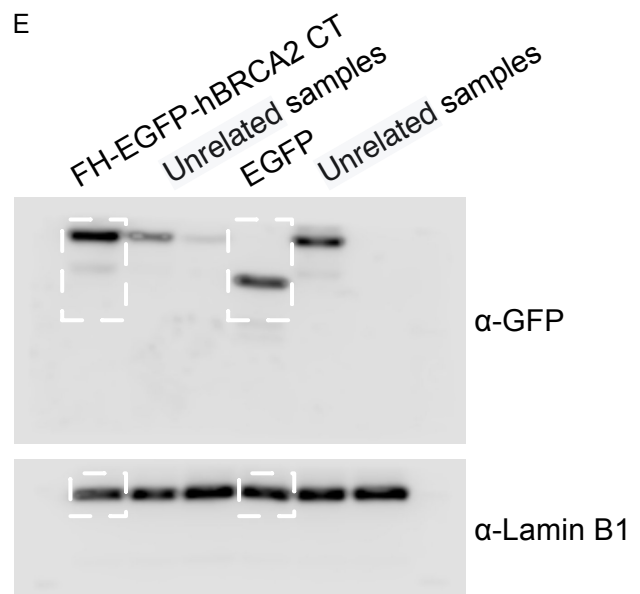
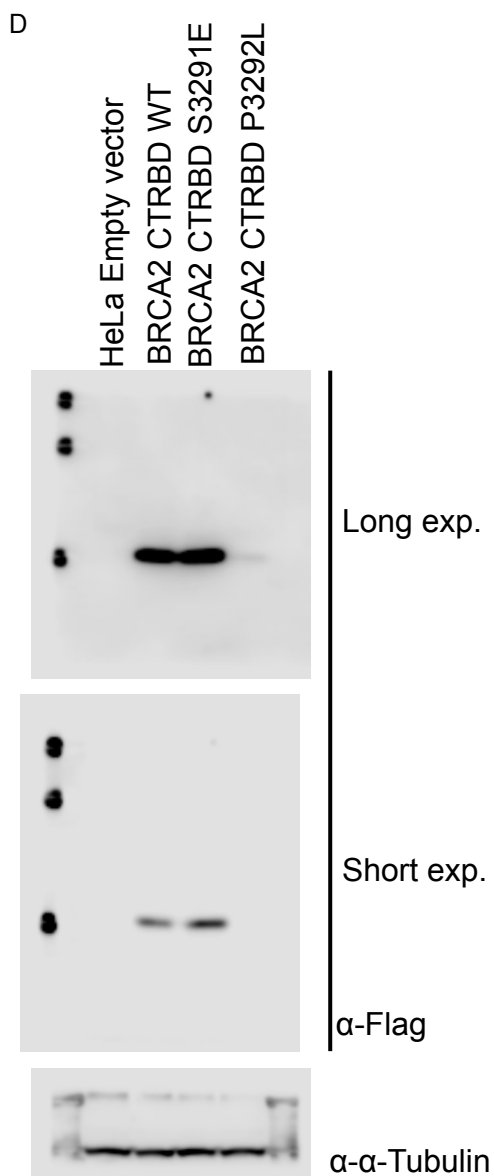
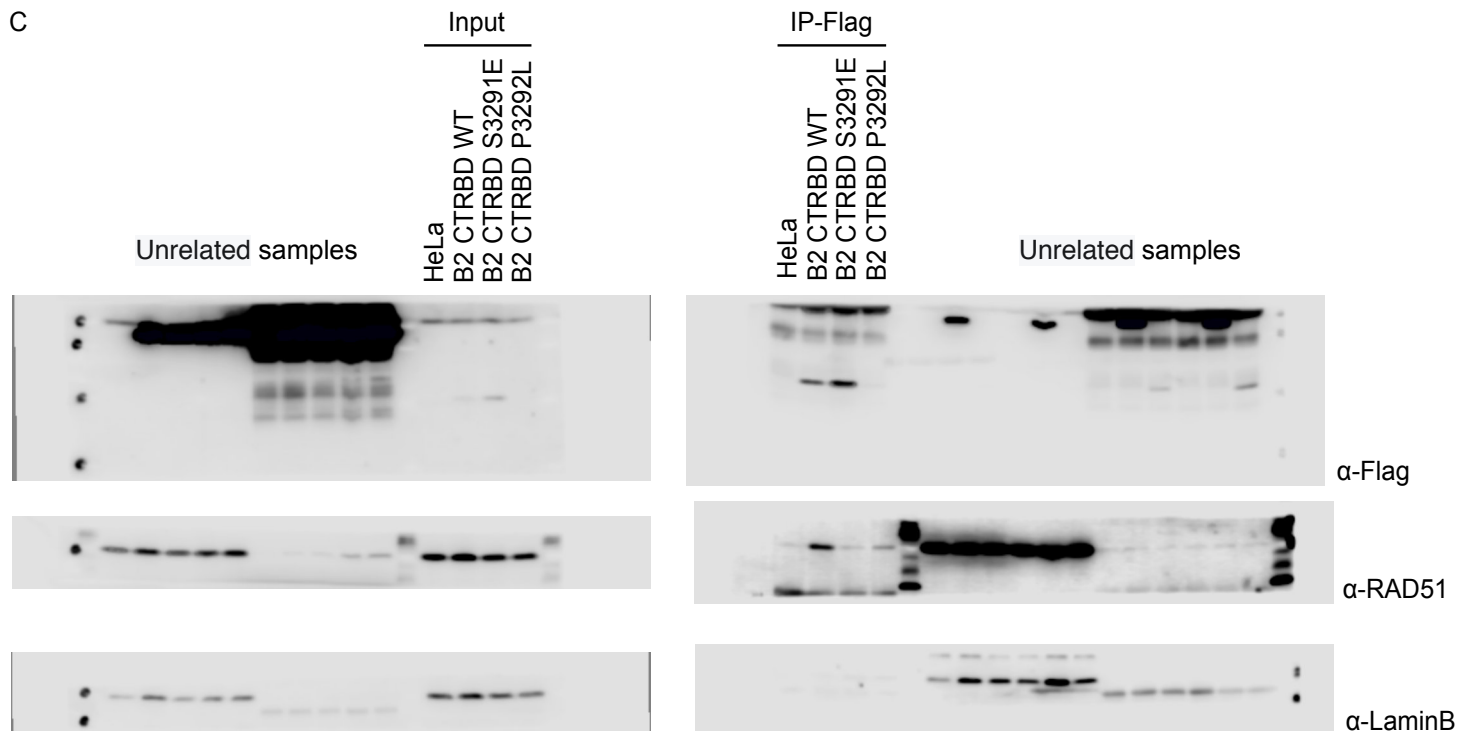
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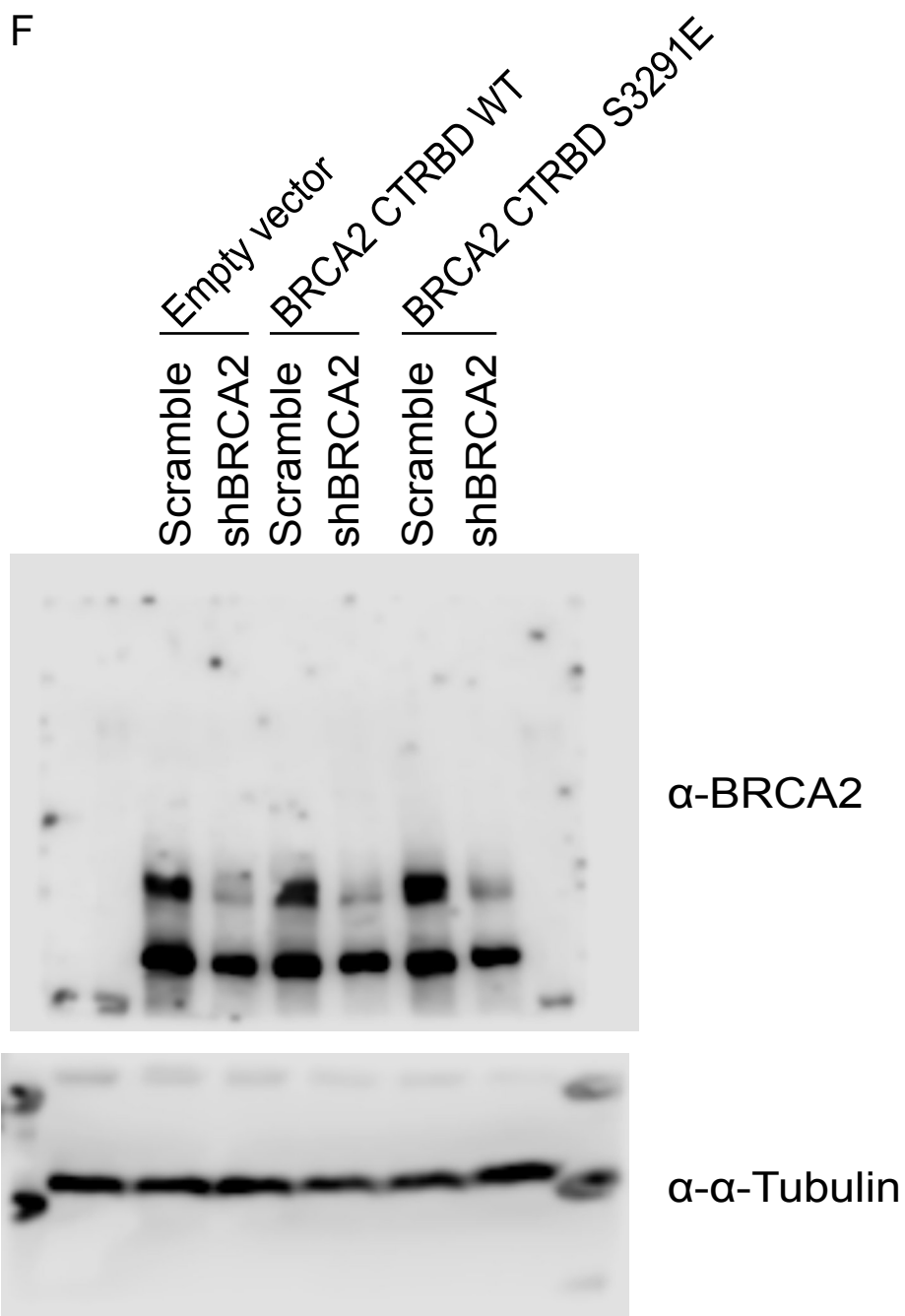
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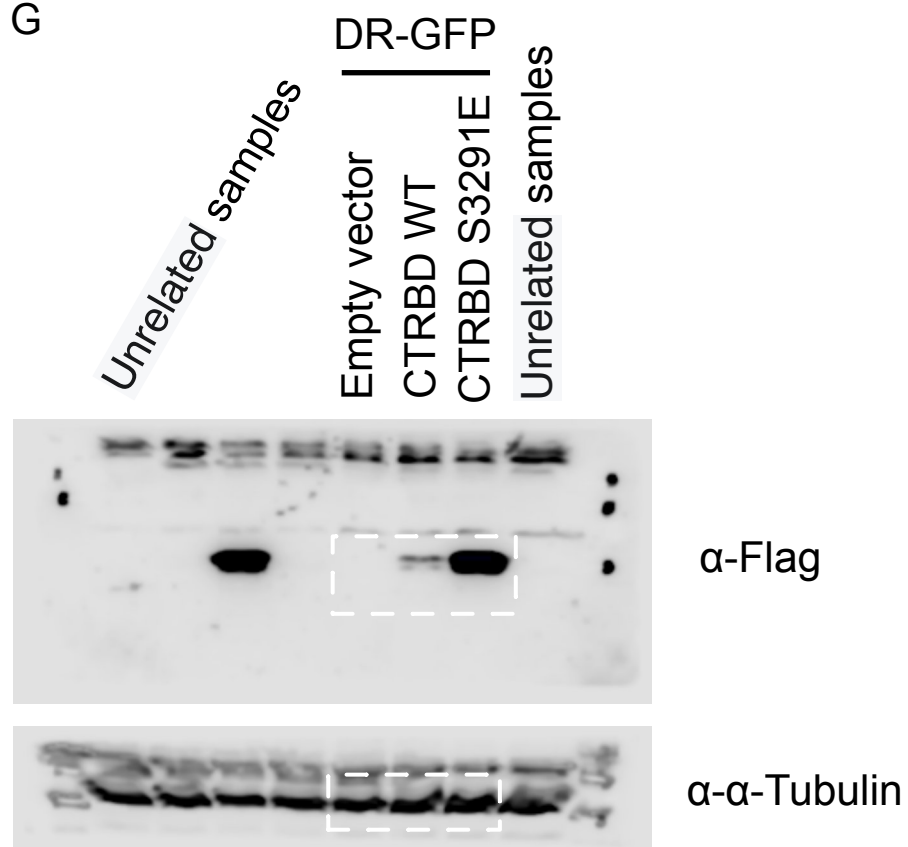
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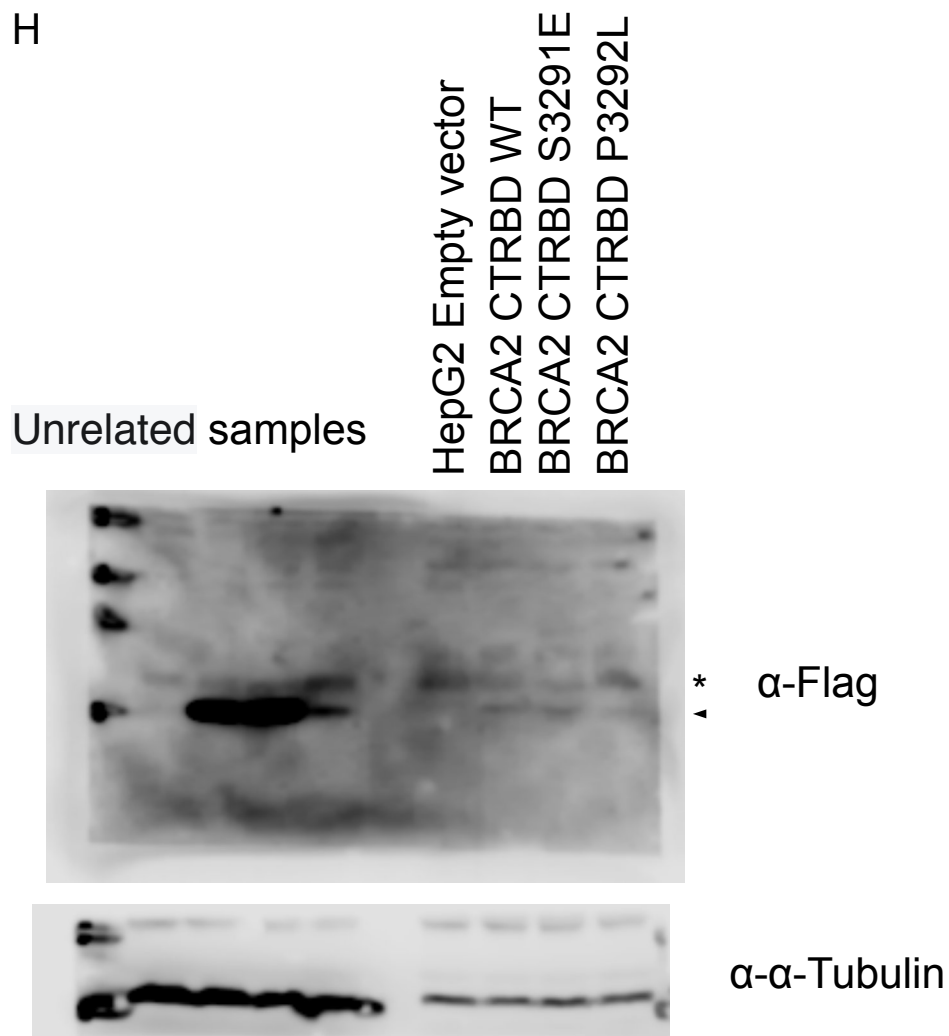


F



G





Supplementary Figure S2. Full-length western blotting images. (A) Fig. 1B, (B) Fig. 1C, (C) Fig. 1E, (D) Fig. 2A, (E) Fig. 2D, (F) Fig. 3A, (G) Fig. 4A, and (H) Fig. S1A.