Supplementary Figure S1. Effects of CYLD downregulation on NF-κB activity in MDA-MB-468 and T47D cells. NF-κB activity was evaluated by luciferase reporter assay 96 h after transfection with siRNA in MDA-MB-468 (a) and T47D cells (b) in serum free condition. *P < 0.05 in Student’s t test.

Supplementary Figure S2. Relationships between CYLD expression and prognosis in each breast cancer subtype. a and b Kaplan-Meier plots for DFS in luminal A (CYLD-negative, n = 9; positive, n = 39) (a) and luminal B (negative, n = 35; positive, n = 90) (b) breast cancer according to CYLD status. c and d Kaplan-Meier plots for BCSS in triple-negative (negative, n = 16; positive, n = 16) (c) and HER2 type (negative, n = 10; positive, n = 15) (d) breast cancer according to CYLD status. Statistical significances were evaluated using log-rank test.

Supplementary Figure S3. Analyses of prognostic value of CYLD expression using a public database. Kaplan-Meier kinetic analyses of a dataset, with microarray profiles of human breast cancers and associated clinical data. The impact of CYLD expression on DFS was analyzed by log-rank tests in all cohorts (n = 2878, HR 0.73, log-rank P < 0.0001) (a), patients who had had treatment with systemic therapy (n = 1449, HR 0.68, log-rank P < 0.0001) (b), and patients who had never had systemic therapy (n = 993, HR 0.9, log-rank P = 0.32) (c).
Clinical Significance of CYLD Downregulation in Breast Cancer

Breast Cancer Research and Treatment

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