Background: Checkpoint with forkhead and RING finger domains protein (CHFR) is an E3 ubiquitin-protein ligase that regulates cell cycle progression. In response to microtubule stress, CHFR delays the transition into mitosis by excluding cyclin B1 from the nucleus prior to chromosome condensation (1). Marked reduction of CHFR expression was detected in primary tumors and decreased CHFR expression was linked to promoter hypermethylation (1-4). Restoration of CHFR expression by treatment with the microtubule stress agent nocodazole and the methyl transferase inhibitor 5-aza-2'-deoxycytidine has been reported (4,5).

Specificity/Sensitivity: CHFR Antibody detects endogenous levels of total CHFR protein.

Source/Purification: Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to the sequence around Lys645 of human CHFR protein. Antibodies are purified by protein A and peptide affinity chromatography.

Background References:

Recommended Antibody Dilutions:
Western blotting 1:1000
Immunoprecipitation 1:50

For application specific protocols please see the web page for this product at www.cellsignal.com.

Please visit www.cellsignal.com for a complete listing of recommended companion products.

IMPORTANT: For western blots, incubate membrane with diluted antibody in 5% BSA, 1X TBS, 0.1% Tween-20 at 4°C with gentle shaking, overnight.

Applications: W, IP

Species Cross-Reactivity: H, M, R, Mk

Molecular Wt.: 80 kDa

Source: Rabbit**

Western blot analysis of extracts from MDA-MB-435 cells, untreated or nocodazole-treated, using CHFR Antibody.