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CHFR Antibody

Store at -20C
#4297

For Research Use Only. Not for Use in Diagnostic Procedures.

Applications: W, IP	Reactivity: H M R Mk	Sensitivity: Endogenous	MW (kDa): 80	Source/Isotype: Rabbit	UniProt ID: #Q96EP1	Entrez-Gene Id: 55743
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Product Usage Information

Application

Western Blotting
Immunoprecipitation

Dilution

1:1000
1:50

Storage

Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA and 50% glycerol. Store at -20°C. Do not aliquot the antibody.

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 Lys646 of human CHFR protein. Antibodies are purified by protein A and peptide affinity chromatography.

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 methyltransferase inhibitor 5-aza-2'-deoxycytidine has been reported (4,5).

Background References

1. Summers, M.K. et al. (2005) *Oncogene* 24, 2589-98.
2. Privette, L.M. et al. (2007) *Cancer Res* 67, 6064-74.
3. Morioka, Y. et al. (2006) *Anticancer Res* 26, 4267-70.
4. Satoh, A. et al. (2003) *Cancer Res* 63, 8606-13.
5. Dang, C. and Hudis, C. (2006) *Clin Breast Cancer* 7, 51-8.

Species Reactivity

Species reactivity is determined by testing in at least one approved application (e.g., western blot).

Western Blot Buffer

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

Applications Key

W: Western Blotting **IP:** Immunoprecipitation

Cross-Reactivity Key

H: Human **M:** Mouse **R:** Rat **Mk:** Monkey

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