

CHFR Antibody

Catalog No: #35244



Package Size: #35244-1 50ul #35244-2 100ul

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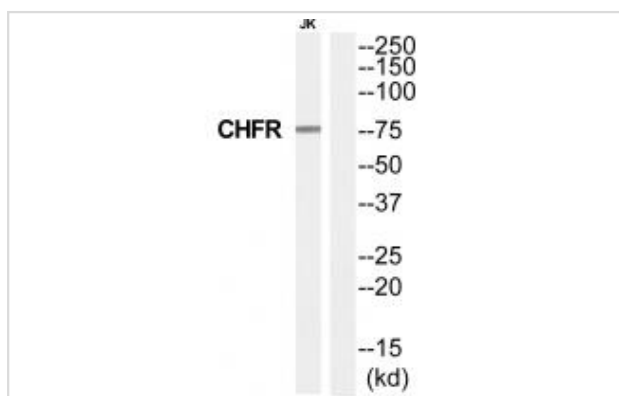
Description

Product Name	CHFR Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Applications	WB
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous levels of total CHFR protein.
Immunogen Type	Peptide
Immunogen Description	Synthesized peptide derived from Internal of human CHFR.
Target Name	CHFR
Other Names	checkpoint with forkhead and ring finger domains; Checkpoint with forkhead and RING finger domains protein; CHFR; E3 ubiquitin-protein ligase CHFR; FLJ10796
Accession No.	Swiss-Prot: Q96EP1NCBI Gene ID: 55743
SDS-PAGE MW	74kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

Application Details

Western blotting: 1:500~1:3000

Images



Western blot analysis of extracts from Jurkat cells, using CHFR antibody #35244.

Background

E3 ubiquitin-protein ligase that functions in the antephasic checkpoint by actively delaying passage into mitosis in response to microtubule poisons. Acts in early prophase before chromosome condensation, when the centrosome move apart from each other along the periphery of the nucleus. Probably involved in signaling the presence of mitotic stress caused by microtubule poisons by mediating the 'Lys-48'-linked ubiquitination of target proteins, leading to their degradation by the proteasome. Promotes the ubiquitination and subsequent degradation of AURKA and PLK1. Probably acts as a tumor suppressor, possibly by mediating the polyubiquitination of HDAC1, leading to its degradation. May also promote the formation of 'Lys-63'-linked polyubiquitin chains and functions with the specific ubiquitin-conjugating UBC13-MMS2 (UBE2N-UBE2V2) heterodimer. Substrates that are polyubiquitinated at 'Lys-63' are usually not targeted for degradation, but are rather involved in signaling cellular stress.

Scolnick D.M., Nature 406:430-435(2000).

Ota T., Nat. Genet. 36:40-45(2004).

Scherer S.E., Nature 440:346-351(2006)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.