10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

CHFR Antibody (C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP14431b

Specification

CHFR Antibody (C-term) - Product Information

Application	**WB,E**
Primary Accession	Q96EP1
Other Accession	Q810L3, NP_001154818.1, NP_001154817.1
Reactivity	**Human**
Predicted	**Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**73386**
Antigen Region	**476-504**

CHFR Antibody (C-term) - Additional Information

Gene ID 55743

Other Names
E3 ubiquitin-protein ligase CHFR, 632-, Checkpoint with forkhead and RING finger domains protein, RING finger protein 196, CHFR, RNF196

Target/Specificity
This CHFR antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 476-504 amino acids from the C-terminal region of human CHFR.

Dilution
WB~~1:1000
E~~Use at an assay dependent concentration.

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
CHFR Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

CHFR Antibody (C-term) - Protein Information

Name CHFR

Synonyms RNF196

Function E3 ubiquitin-protein ligase that functions in the antephase 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.

Cellular Location
Nucleus, PML body

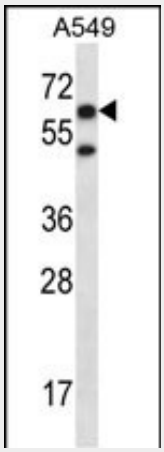
Tissue Location
Ubiquitous..

CHFR Antibody (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

CHFR Antibody (C-term) - Images



CHFR Antibody (C-term) (Cat. #AP14431b) western blot analysis in A549 cell line lysates (35ug/lane).This demonstrates the CHFR antibody detected the CHFR protein (arrow).

CHFR Antibody (C-term) - Background

E3 ubiquitin-protein ligase that functions in the antephase 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.

CHFR Antibody (C-term) - References

Soutto, M., et al. Cancer 116(17):4033-4042(2010)
Kim, J.M., et al. Biochem. Biophys. Res. Commun. 395(4):515-520(2010)
Hiraki, M., et al. World J. Gastroenterol. 16(3):330-338(2010)
Baba, S., et al. Oncol. Rep. 22(5):1173-1179(2009)
Gao, Y., et al. Int. J. Biol. Markers 24(2):83-89(2009)