

CHFR Polyclonal Antibody

Catalog NumberPA5-28079

Product data sheet

Details		Species Reactivity	
Size	100 µL	Species reactivity	Human
Host/Isotope	Rabbit / IgG	Published species	Human
Class	Polyclonal	Tested Applications	
Type	Antibody	Western Blot (WB)	Dilution * 1:500-1:3,000
Immunogen	Synthetic peptide corresponding to a region within amino acids 602 and 664 of Human CHFR	Published Applications	
Conjugate	Unconjugated	Western Blot (WB)	See 1 publications below
Form	Liquid	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Concentration	1 mg/mL		
Purification	Antigen affinity chromatography		
Storage buffer	PBS, pH 7, with 40% glycerol		
Contains	0.01% thimerosal		
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.		

Product specific information

Recommended positive controls: A431, H1299, NT2D1, A549, HCT116. Predicted reactivity: Mouse (100%), Rat (100%), Zebrafish (100%), Xenopus laevis (100%), Bovine (100%). Store product as a concentrated solution. Centrifuge briefly prior to opening the vial.

Background/Target Information

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.

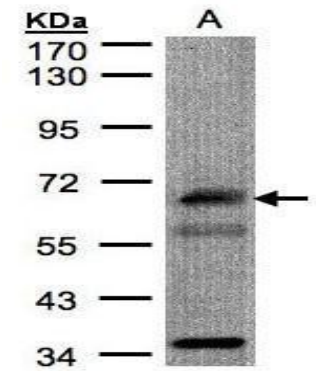
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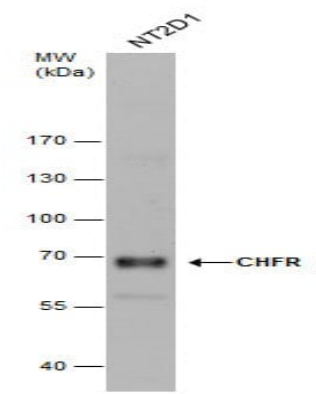
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Product Images For CHFR Polyclonal Antibody



CHFR Antibody (PA5-28079) in WB

Western Blot using CHFR Polyclonal Antibody (Product # PA5-28079). Sample (30 µg of whole cell lysate). A: H1299. 7.5% SDS PAGE. CHFR Polyclonal Antibody (Product # PA5-28079) diluted at 1:1,000.



CHFR Antibody (PA5-28079) in WB

CHFR Polyclonal Antibody detects CHFR protein by western blot analysis. Whole cell extracts (30 µg) was separated by 7.5 % SDS-PAGE, and blotted with CHFR Polyclonal Antibody (Product # PA5-28079) diluted by 1:500.

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PubMed References For CHFR Polyclonal Antibody

1 Western Blot References

Species / Dilution	Summary
	PA5-28079 was used in Western Blotting to identify how poly(ADP-ribose) polymerase (PARP) 1/2 inhibitors decrease the ubiquitination of ALC1, leading to ALC1 accumulation in breast cancer which could alter the efficacy of DNA damage response drugs.
Human / 1:1000	Oncology reports (2019; 42: 1467) "Poly(ADPribose) polymerase 1/2 inhibitors decrease the ubiquitination of ALC1 mediated by CHFR in breast cancer." Author(s):Wang Y,Wang Y,Wang N,You L,Long F,Shao C,Wang Y,Wu J PubMed Article URL: http://dx.doi.org/10.3892/or.2019.7242

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