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CHFR Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full length recombinant CHFR.
Catalog # AT1518a

Specification

CHFR Antibody (monoclonal) (M01) - Product Information

Application	**WB, IHC, E**
Primary Accession	Q96EP1
Other Accession	BC012072
Reactivity	**Human**
Host	**mouse**
Clonality	**Monoclonal**
Isotype	**IgG1 Kappa**
Calculated MW	**73386**

CHFR Antibody (monoclonal) (M01) - 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
CHFR (AAH12072.1, 1 a.a. ~ 652 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution
WB~~1:500~1000

Format
Clear, colorless solution in phosphate buffered saline, pH 7.2 .

Storage
Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Precautions
CHFR Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

CHFR Antibody (monoclonal) (M01) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot

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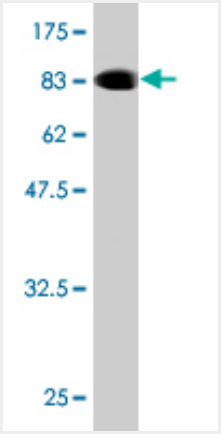
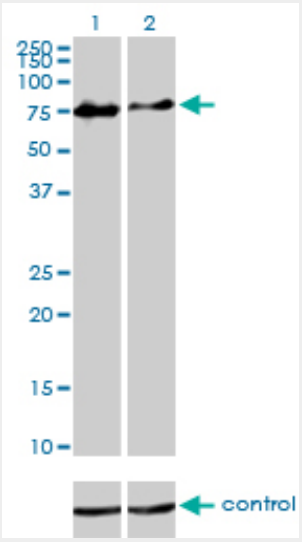
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

CHFR Antibody (monoclonal) (M01) - Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (97.46 KDa) .



Western blot analysis of CHFR over-expressed 293 cell line, cotransfected with CHFR Validated Chimera RNAi ((Cat # AT1518a)

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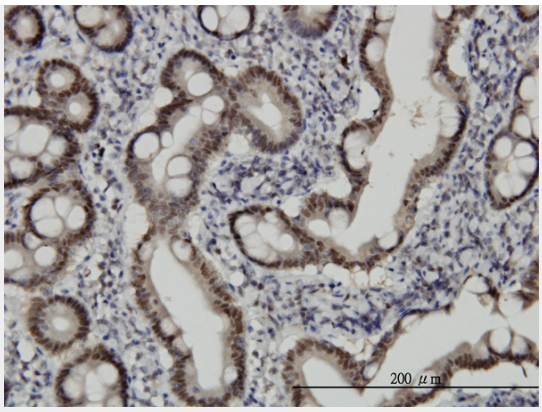
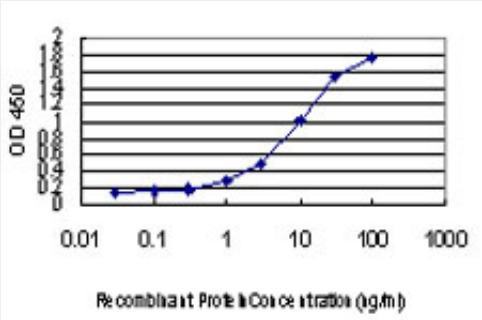


Immunoperoxidase of monoclonal antibody to CHFR on formalin-fixed paraffin-embedded human small Intestine. [antibody concentration 2 ug/ml]



Detection limit for recombinant GST tagged CHFR is approximately 0.1ng/ml as a capture antibody.

CHFR Antibody (monoclonal) (M01) - References

1.CHFR regulates the mitotic checkpoint by targeting PARP-1 for ubiquitination and degradation.Kashima L, Idogawa M, Mita H, Shitashige M, Yamada T, Ogi K, Suzuki H, Toyota M, Ariga H, Sasaki Y, Tokino T.J Biol Chem. 2012 Feb 15. [Epub ahead of print]2.Expression level of the mitotic checkpoint protein and G2-M cell cycle regulators and prognosis in gastrointestinal stromal tumors in the stomach.Fujita A, Yamamoto H, Imamura M, Nakamura N, Maehara Y, Tsuneyoshi M, Oda Y.Virchows Arch. 2011 Dec 22.3.Pathobiologic implications of methylation and expression status of Runx3 and CHFR genes in gastric cancer.Hu SL, Huang DB, Sun YB, Wu L, Xu WP, Yin S, Chen J, Jiang XD, Shen G.Med Oncol. 2011 Jun;28(2):447-54. Epub 2010 Mar 19.4.Mechanism and pathobiologic implications of CHFR promoter methylation in gastric carcinoma.Gao YJ, Xin Y, Zhang JJ, Zhou J.World J Gastroenterol. 2008 Aug 28;14(32):5000-7.5.Loss of CHFR in human mammary epithelial cells causes genomic instability by disrupting the mitotic spindle assembly checkpoint.Privette LM, Weier JF, Nguyen HN, Yu X, Petty EM.Neoplasia. 2008 Jul;10(7):643-52.6.Altered Expression of the Early Mitotic Checkpoint Protein, CHFR, in Breast Cancers: Implications for Tumor Suppression.Privette LM, Gonzalez ME, Ding L, Kleer CG, Petty EM.Cancer Res. 2007 Jul 1;67(13):6064-74. Epub 2007 Jun 27.7.Molecular analysis of primary gastric cancer, corresponding xenografts, and 2 novel gastric carcinoma cell lines reveals novel alterations in gastric carcinogenesis.Milne AN, Sitarz R, Carvalho R, Polak MM, Ligtenberg M, Pauwels P, Offerhaus GJ, Weterman MA.Hum Pathol. 2007 Jun;38(6):903-13. Epub 2007 Mar 21.