

CHTF18 Antibody (monoclonal) (M01)**Mouse monoclonal antibody raised against a partial recombinant CHTF18.****Catalog # AT1532a****Specification**

CHTF18 Antibody (monoclonal) (M01) - Product Information

Application	WB, E
Primary Accession	Q8WVB6
Other Accession	BC018184
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG2a Kappa
Calculated MW	107383

CHTF18 Antibody (monoclonal) (M01) - Additional Information**Gene ID** 63922**Other Names**

Chromosome transmission fidelity protein 18 homolog, hCTF18, CHL12, CHTF18, C16orf41, CTF18

Target/Specificity

CHTF18 (AAH18184, 886 a.a. ~ 975 a.a) partial 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

CHTF18 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

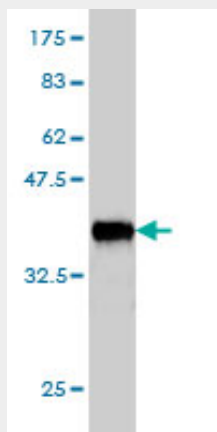
CHTF18 Antibody (monoclonal) (M01) - Protocols

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

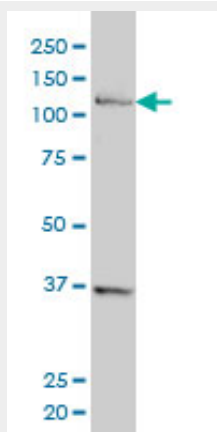
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)

- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

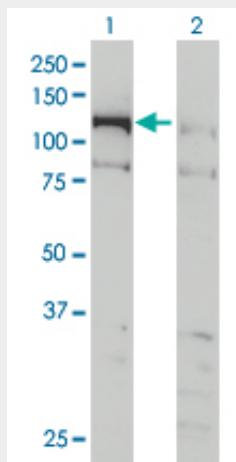
CHTF18 Antibody (monoclonal) (M01) - Images



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (35.53 kDa) .



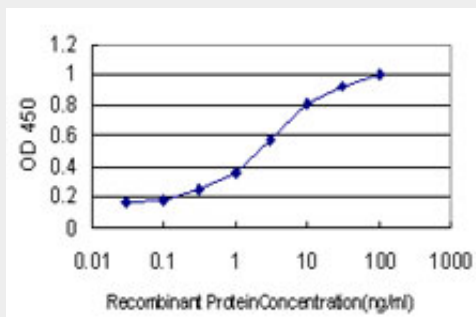
CHTF18 monoclonal antibody (M01), clone 1F5 Western Blot analysis of CHTF18 expression in HeLa ((Cat # AT1532a)



Western Blot analysis of CHTF18 expression in transfected 293T cell line by CHTF18 monoclonal antibody (M01), clone 1F5.

Lane 1: CHTF18 transfected lysate(107 KDa).

Lane 2: Non-transfected lysate.



Detection limit for recombinant GST tagged CHTF18 is approximately 0.1ng/ml as a capture antibody.

CHTF18 Antibody (monoclonal) (M01) - Background

CHTF18, CHTF8 (MIM 613202), and DCC1 (DSCC1; MIM 613203) are components of an alternative replication factor C (RFC) (see MIM 600404) complex that loads PCNA (MIM 176740) onto DNA during S phase of the cell cycle (Merkle et al., 2003 [PubMed 12766176]; Bermudez et al., 2003 [PubMed 12930902]).

CHTF18 Antibody (monoclonal) (M01) - References

1. Two Different Replication Factor C Proteins, Ctf18 and RFC1, Separately Control PCNA-CRL4Cdt2-Mediated Cdt1 Proteolysis during S Phase and following UV Irradiation. Shiomi Y, Hayashi A, Ishii T, Shinmyozu K, Nakayama J, Sugawara K, Nishitani H. Mol Cell Biol. 2012 Jun;32(12):2279-88. Epub 2012 Apr 9.

2. Stable interaction between the human PCNA loader complex Ctf18-RFC and DNA polymerase {epsilon} is mediated by the cohesion specific subunits, Ctf18, Dcc1 and Ctf8. Murakami T, Takano R, Takeo S, Taniguchi R, Ogawa K, Ohashi E, Tsurimoto T. J Biol Chem. 2010 Sep 7. [Epub ahead of print]