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CHTF18 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant CHTF18.
Catalog # AT1532a

Product Information

Application	WB, E
Primary Accession	Q8WVB6
Other Accession	BC018184
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	1F5
Calculated MW	107383

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 E~~N/A
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.

Background

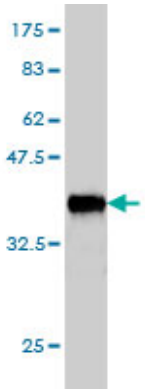
CHTF18, CHTF8 (MIM 613202), and DCC1 (DSCC1; MIM 613203) are components of an alternative replication factor C (RFC) (see MIM 600404) complex that loads PCNA (MIM 176740) onto DNA during S phase of the cell cycle (Merkle et al., 2003 [PubMed 12766176]; Bermudez et al., 2003 [PubMed 12930902]).

References

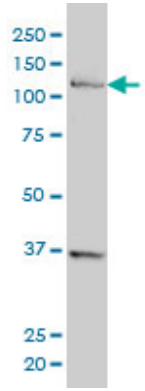
1.Two Different Replication Factor C Proteins, Ctf18 and RFC1, Separately Control PCNA-CRL4Cdt2-Mediated Cdt1 Proteolysis during S Phase and following UV Irradiation.Shiomi Y, Hayashi A, Ishii T, Shinmyozu K, Nakayama J, Sugasawa K, Nishitani H.Mol Cell Biol. 2012 Jun;32(12):2279-88. Epub 2012 Apr 9.2.Stable

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]

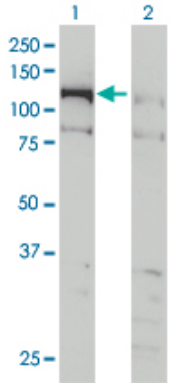
Images



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

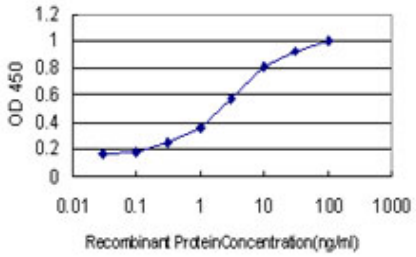


CHTF18 monoclonal antibody (M01), clone 1F5 Western Blot analysis of CHTF18 expression in HeLa ((Cat # AT1532a)



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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.