

CHTF18 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP55350

Product Information

Application	WB, IHC-P, IHC-F, IF, ICC, E
Primary Accession	Q8WVB6
Reactivity	Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	107383

Additional Information

Gene ID	63922
Other Names	Chromosome transmission fidelity protein 18 homolog, hCTF18, CHL12, CHTF18, C16orf41, CTF18
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,ICC=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Format	0.01M TBS(pH7.4) with 1% BSA, 0.09% (W/V) sodium azide and 50% Glyce
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	CHTF18
Synonyms	C16orf41, CTF18
Function	Chromosome cohesion factor involved in sister chromatid cohesion and fidelity of chromosome transmission. Component of one of the cell nuclear antigen loader complexes, CTF18-replication factor C (CTF18-RFC), which consists of CTF18, CTF8, DCC1, RFC2, RFC3, RFC4 and RFC5. The CTF18-RFC complex binds to single-stranded and primed DNAs and has weak ATPase activity that is stimulated by the presence of primed DNA, replication protein A (RPA) and by proliferating cell nuclear antigen (PCNA). The CTF18-RFC complex catalyzes the ATP- dependent loading of PCNA onto primed and gapped DNA. Interacts with and stimulates DNA polymerase POLH. During DNA repair synthesis, involved in loading DNA polymerase POLE at the sites of local damage (PubMed: 20227374).
Cellular Location	Nucleus. Note=Associates with chromatin during S phase

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