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Anti-FEN1 Antibody (C-Terminus)

Rabbit Anti Human Polyclonal Antibody
Catalog # ALS18459

Product Information

Application	WB, IHC-P
Primary Accession	P39748
Predicted	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	42593
Concentration (mg/ml)	0.5 mg/ml

Additional Information

Gene ID	2237
Alias Symbol	FEN1
Other Names	FEN1, DNase IV, FEN-1, HFEN-1, Flap endonuclease 1, MF1, RAD2, Maturation factor 1, Maturation factor-1
Target/Specificity	Endogenous levels of human FEN-1 protein. Positive Control: HeLa, HepG2 and HEK293.
Reconstitution & Storage	Immunoaffinity purified
Precautions	Anti-FEN1 Antibody (C-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	FEN1 {ECO:0000255|HAMAP-Rule:MF_03140}
Synonyms	RAD2
Function	Structure-specific nuclease with 5'-flap endonuclease and 5'- 3' exonuclease activities involved in DNA replication and repair. During DNA replication, cleaves the 5'-overhanging flap structure that is generated by displacement synthesis when DNA polymerase encounters the 5'-end of a downstream Okazaki fragment. It enters the flap from the 5'-end and then tracks to cleave the flap base, leaving a nick for ligation. Also involved in the long patch base excision repair (LP-BER) pathway, by cleaving within the apurinic/apyrimidinic (AP) site- terminated flap. Acts as a genome stabilization factor that prevents flaps from equilibrating into structures that lead to duplications and deletions. Also possesses 5'-3' exonuclease activity on nicked or gapped double-stranded DNA, and exhibits RNase H activity. Also involved in

	replication and repair of rDNA and in repairing mitochondrial DNA.
Cellular Location	[Isoform 1]: Nucleus, nucleolus. Nucleus, nucleoplasm. Note=Resides mostly in the nucleoli and relocalizes to the nucleoplasm upon DNA damage

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