

# Anti-FEN1 Antibody (C-Terminus)

Rabbit Anti Human Polyclonal Antibody  
Catalog # ALS18459

## Product Information

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<b>Application</b>	WB, IHC-P
<b>Primary Accession</b>	<a href="#">P39748</a>
<b>Predicted</b>	Human
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	42593
<b>Concentration (mg/ml)</b>	0.5 mg/ml

## Additional Information

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

## Protein Information

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<b>Name</b>	FEN1 {ECO:0000255   HAMAP-Rule:MF_03140}
<b>Synonyms</b>	RAD2
<b>Function</b>	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/aprimidinic (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'.