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Anti-FEN1 Antibody (C-Terminus)

Rabbit Anti Human Polyclonal Antibody
Catalog # ALS18459

Specification

Anti-FEN1 Antibody (C-Terminus) - Product Information

Application	**WB, IHC-P**
Primary Accession	P39748
Predicted	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**42593**
Dilution	**WB~~1:1000** **IHC-P~~N/A**

Anti-FEN1 Antibody (C-Terminus) - 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.

Anti-FEN1 Antibody (C-Terminus) - 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

Anti-FEN1 Antibody (C-Terminus) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-FEN1 Antibody (C-Terminus) - Images