

## Rabbit FEN-1 Polyclonal Antibody | anti-FEN-1 antibody

FEN-1 Polyclonal Antibody

| CATALOG # | HOST   | REACTIVITY        | APPLICATIONS                                           |
|-----------|--------|-------------------|--------------------------------------------------------|
| AAA294819 | Rabbit | Human, Mouse, Rat | Immunofluorescence, Immunohistochemistry, Western Blot |

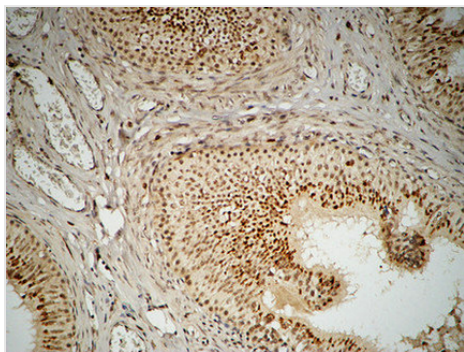
### PRODUCT SYNONYMS

FEN-1; Polyclonal Antibody; FEN-1 Polyclonal Antibody; FEN1; RAD2; Flap endonuclease 1; DNase IV; Flap structure-specific endonuclease 1; Maturation factor 1; MF1; hFEN-1; anti-FEN-1 antibody

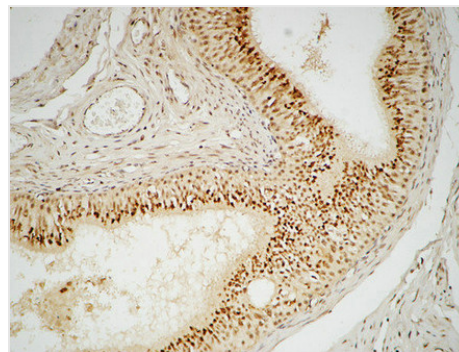
### PRODUCT SPECIFICATIONS

|                                                 |                                                                                                                                                       |
|-------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                                |
| Reactivity                                      | Human, Mouse, Rat                                                                                                                                     |
| Clonality                                       | Polyclonal                                                                                                                                            |
| Applicable Applications for anti-FEN-1 antibody | IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)                                                                                |
| Notes                                           | ECO:0000255 HAMAP-Rule: MF_03140                                                                                                                      |
| Preparation and Storage                         | Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles. |

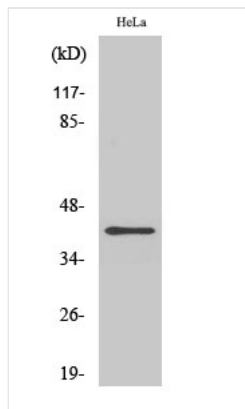
### IMAGES


**IHC (Immunohistochemistry)**

Dilution: Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/20000. Not yet tested in other applications.

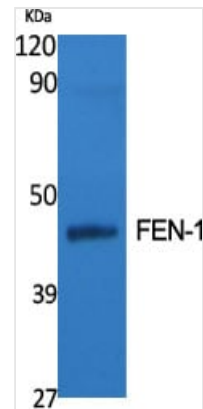

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Dilution: Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/20000. Not yet tested in other applications.



#### WB (Western Blot)

Dilution: Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300.  
Immunofluorescence: 1/200 - 1/1000. ELISA: 1/20000. Not yet tested in other applications.



#### WB (Western Blot)

Dilution: Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300.  
Immunofluorescence: 1/200 - 1/1000. ELISA: 1/20000. Not yet tested in other applications.

## ADDITIONAL INFORMATION

### Related Product Information for anti-FEN-1 antibody

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.

## NCBI AND UNIPROT INFORMATION

|                                  |                                                                         |
|----------------------------------|-------------------------------------------------------------------------|
| NCBI GI #                        | 4758356                                                                 |
| NCBI GeneID                      | 2237                                                                    |
| NCBI Accession #                 | NP_004102.1                                                             |
| NCBI GenBank Nucleotide #        | NM_004111.5                                                             |
| UniProt Accession #              | P39748; AAB32522                                                        |
| Molecular Weight                 | 42,593 Da                                                               |
| NCBI Official Full Name          | flap endonuclease 1                                                     |
| NCBI Official Synonym Full Names | flap structure-specific endonuclease 1                                  |
| NCBI Official Symbol             | FEN1                                                                    |
| NCBI Official Synonym Symbols    | MF1; RAD2; FEN-1                                                        |
| NCBI Protein Information         | flap endonuclease 1; DNase IV; maturation factor 1; maturation factor-1 |
| UniProt Protein Name             | Flap endonuclease 1                                                     |
| UniProt Gene Name                | <b>FEN1</b>                                                             |
| UniProt Synonym Gene Names       | RAD2; FEN-1; MF1; hFEN-1                                                |
| UniProt Entry Name               | FEN1_HUMAN                                                              |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.