

Rabbit FEN1 Polyclonal Antibody | anti-FEN1 antibody

FEN1 Antibody (Center)

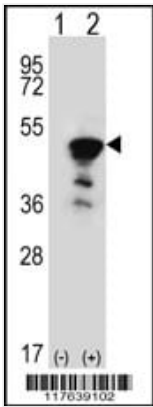
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA285552	Rabbit	Human (Predicted Reactivity: Bovine)	Immunofluorescence, ELISA, Western Blot

PRODUCT SYNONYMS

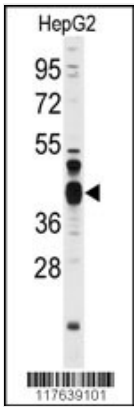
FEN1; Polyclonal Antibody; FEN1 Antibody (Center); Flap endonuclease 1 {ECO:0000255|HAMAP-Rule:MF_03140}; FEN-1 {ECO:0000255|HAMAP-Rule:MF_03140}; 31-- {ECO:0000255|HAMAP-Rule:MF_03140}; DNase IV; Flap structure-specific endonuclease 1 {ECO:0000255|HAMAP-Rule:MF_03140}; Maturation factor 1; MF1; hFEN-1; FEN1 {ECO:0000255|HAMAP-Rule:MF_03140}; RAD2; anti-FEN1 antibody

PRODUCT SPECIFICATIONS

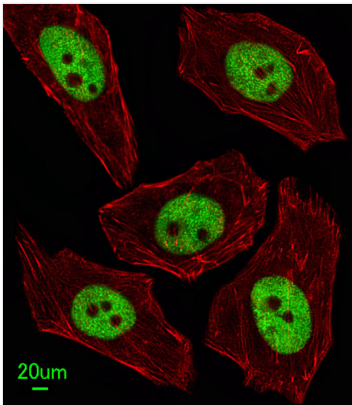
Host	Rabbit
Reactivity	Human (Predicted Reactivity: Bovine)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This FEN1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 243-272 amino acids from the Central region of human FEN1.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	243-272
Sequence Length	316
Applicable Applications for anti-FEN1 antibody	IF (Immunofluorescence), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Crown Antibody	Yes
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



WB (Western Blot)
Western blot analysis of FEN1 (arrow) using rabbit polyclonal FEN1 Antibody (Center). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the FEN1 gene.



WB (Western Blot)
Western blot analysis of anti-FEN1 Antibody (Center) in HepG2 cell line lysates (35ug/lane). FEN1(arrow) was detected using the purified Pab.



IF (Immunofluorescence)
Immunofluorescent analysis of U251 cells, using FEN1 Antibody (Center). AAA285552 was diluted at 1:100 dilution. Alexa Fluor 488-conjugated goat anti-rabbit IgG at 1:400 dilution was used as the secondary antibody (green). DAPI was used to stain the cell nuclear (blue).

ADDITIONAL INFORMATION

Related Product Information for anti-FEN1 antibody	FEN1 removes 5' overhanging flaps in DNA repair and processes the 5' ends of Okazaki fragments in lagging strand DNA synthesis. Direct physical interaction between this protein and AP endonuclease 1 during long-patch base excision repair provides coordinated loading of the proteins onto the substrate, thus passing the substrate from one enzyme to another. This protein is a member of the XPG/RAD2 endonuclease family and is one of ten proteins essential for cell-free DNA replication. DNA secondary structure can inhibit flap processing at certain trinucleotide repeats in a length-dependent manner by concealing the 5' end of the flap that is necessary for both binding and cleavage by the protein encoded by this gene. Therefore, secondary structure can deter the protective function of this protein, leading to site-specific trinucleotide expansions.
Product Categories/Family for anti-FEN1 antibody	Crown Antibodies
References	Hiraoka L.R., Harrington J.J., Gerhard D.S., Genomics 25:220-225(1995) Robins P., Pappin D.J.C., Wood R.D., Lindahl T.J. Biol. Chem. 269:28535-28538(1994) Gary R., Ludwig D.L., Cornelius H.L., MacInnes M.A.,J. Biol. Chem. 272:24522-24529(1997)

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	42593
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
UniProt Protein Name	Flap endonuclease 1
UniProt Gene Name	FEN1
UniProt Synonym Gene Names	FEN-1; MF1
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.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/fen1-antibody-immunofluorescence-western-blot-elisa/285552>