

Mouse anti-Human, Mouse FEN-1 Monoclonal Antibody | anti-FEN1 antibody

FEN-1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA290510	Mouse	Human, Mouse	Immunocytochemistry, Western Blot

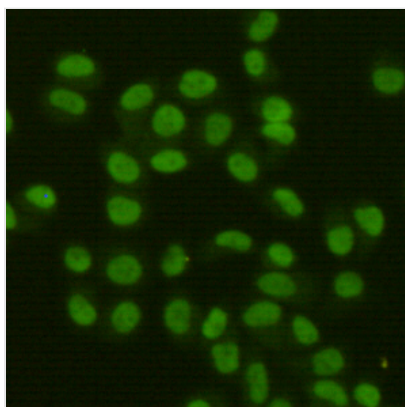
PRODUCT SYNONYMS

FEN-1; Monoclonal Antibody; FEN-1 Antibody; Purified Mouse Monoclonal Antibody (Mab); DNase IV; FEN1; FEN1_HUMAN; Flap endonuclease 1; Flap structure specific endonuclease 1; Flap structure-specific endonuclease 1; hFEN-1; hFEN1; Maturation factor 1; MF1; Rad2.; anti-FEN1 antibody

PRODUCT SPECIFICATIONS

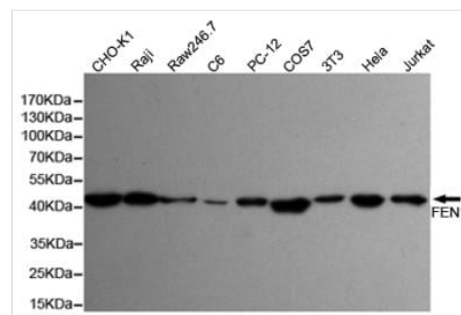
Host	Mouse
Reactivity	Human, Mouse
Clonality	Monoclonal
Form/Format	Purified mouse monoclonal antibody in PBS(pH 7.4) containing with 0.02% sodium azide and 50% glycerol.
Sequence Length	380
Applicable Applications for anti-FEN1 antibody	ICC (Immunocytochemistry), WB (Western Blot)
Antigen Source	Human
Antigen Type	Recombinant Protein
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.

IMAGES



ICC (Immunocytochemistry)

Immunocytochemistry staining of HeLa cells fixed with 4% Paraformaldehyde and using FEN-1 mouse mAb (dilution 1:400).



WB (Western Blot)

Western blot detection of FEN-1 in HeLa, Jurkat, 3T3, COS7, PC-12, C6, Raw264.7, Raji and CHO-K1 cell lysates using FEN-1 mouse mAb (1:1000 diluted). Predicted band size: 45KDa. Observed band size: 45KDa.

ADDITIONAL INFORMATION

Related Product Information for anti-FEN1 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/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.
References	Murray J.M.,et al.Mol. Cell. Biol. 14:4878-4888(1994). Hiraoka L.R.,et al.Genomics 25:220-225(1995). Taylor T.D.,et al.Nature 440:497-500(2006). Robins P.,et al.J. Biol. Chem. 269:28535-28538(1994). Shen B.,et al.J. Biol. Chem. 271:9173-9176(1996).

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/monoclonal/fen-1-antibody-immunocytochemistry-western-blot-elisa/290510>