

Mouse FEN-1 Monoclonal Antibody | anti-FEN-1 antibody

FEN-1 Mouse mAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA320388	Mouse	Human, Mouse, Rat, Monkey, Hamster	Immunocytochemistry, Western Blot

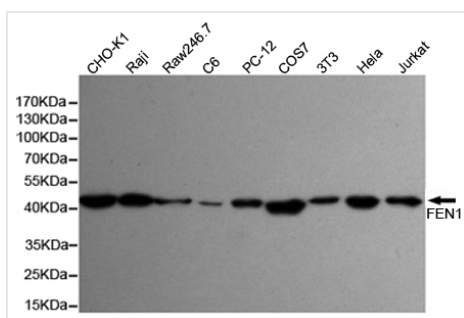
PRODUCT SYNONYMS

FEN-1; Monoclonal Antibody; FEN-1 Mouse 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-FEN-1 antibody

PRODUCT SPECIFICATIONS

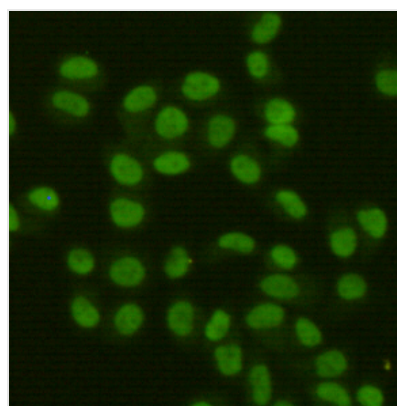
Host	Mouse
Reactivity	Human, Mouse, Rat, Monkey, Hamster
Clonality	Monoclonal
Specificity	This antibody detects endogenous levels of FEN-1 and does not cross-react with related proteins.
Purity/Purification	The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen.
Form/Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-FEN-1 antibody	ICC (Immunocytochemistry), WB (Western Blot)
Immunogen	Purified recombinant human FEN-1 protein fragments expressed in E coli.
Modification	Unmodified/Total
Preparation and Storage	Store at -20 degree C/1 year

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-FEN-1 antibody	The protein encoded by this gene 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. The 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 byThe 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-FEN-1 antibody	Primary Antibodies

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	FEN1
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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/fen-1-antibody-immunocytochemistry-western-blot-elisa/320388>