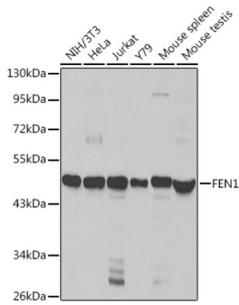
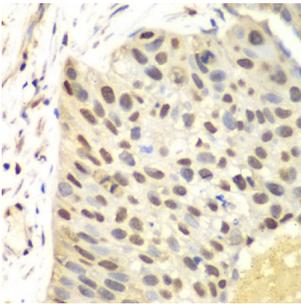


Flap Structure Specific Endonuclease 1 (FEN1) Antibody

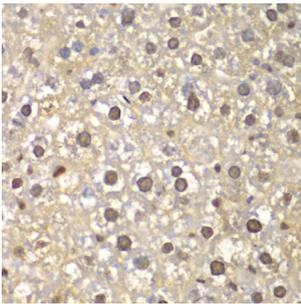
Catalogue No.: abx001089



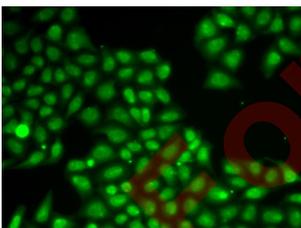
Western blot analysis of extracts of various cell lines using FEN1 Antibody (1/1000 dilution).



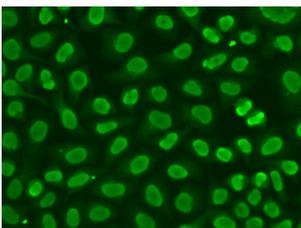
Immunohistochemistry of paraffin-embedded Human lung cancer using FEN1 Antibody (1/100 dilution, 40x lens).



Immunohistochemistry of paraffin-embedded Mouse liver using FEN1 Antibody (1/100 dilution, 40x lens).



Immunofluorescence analysis of A549 cells using FEN1 Antibody



Immunofluorescence analysis of HeLa cells using FEN1 Antibody

Datasheet

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FEN1 Antibody is a Rabbit Polyclonal antibody against FEN1. 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 by the protein encoded by this gene. Therefore, secondary structure can deter the protective function of this protein, leading to site-specific trinucleotide expansions.

Target:	Flap Structure Specific Endonuclease 1 (FEN1)
Clonality:	Polyclonal
Reactivity:	Human, Mouse
Tested Applications:	WB, IHC, IF/ICC
Host:	Rabbit
Recommended dilutions:	WB: 1/500 - 1/2000, IHC-P: 1/50 - 1/200, IF/ICC: 1/10 - 1/100. Not tested in IHC-F. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Immunogen:	Recombinant fusion protein corresponding to human FEN1
Isotype:	IgG
Form:	Liquid
Purification:	Purified by affinity chromatography.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	P39748 (UniProt , ExPASy)
Gene Symbol:	FEN1
GeneID:	2237
NCBI Accession:	NP_004102.1
KEGG:	hsa:2237
String:	9606.ENSP00000305480

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Molecular Weight: Calculated MW: 35 kDa/42 kDa
Observed MW: 48 kDa

Buffer: PBS, pH 7.3, containing 0.02% sodium azide, 50% glycerol.

Concentration: 1 mg/ml

Note: THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

For Reference Only