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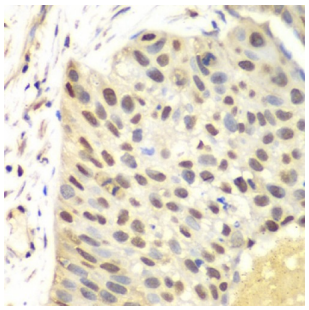
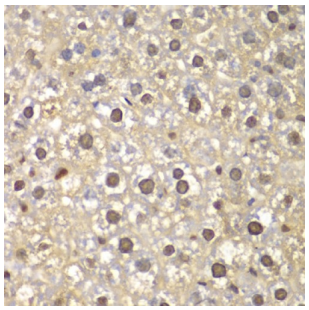
DATASHEET

Flap Structure Specific Endonuclease 1 (FEN1) Antibody

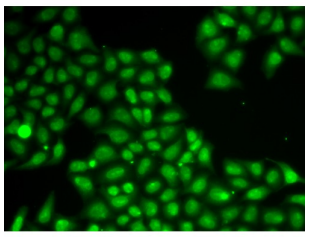
Catalogue No.:abx001089



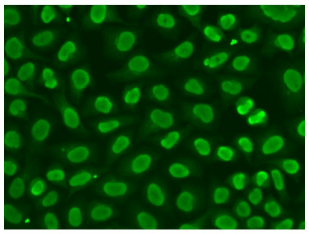
Immunohistochemistry of paraffin-embedded human lung cancer using FEN1 antibody (abx001089) at dilution of 1/100 (40x lens).



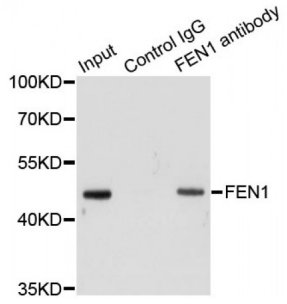
Immunohistochemistry of paraffin-embedded mouse liver using FEN1 antibody (abx001089) at dilution of 1/100 (40x lens).



Immunofluorescence analysis of A549 cells using FEN1 antibody (abx001089).



Immunofluorescence analysis of HeLa cells using FEN1 antibody (abx001089).



Immunoprecipitation analysis of 200 µg extracts of HeLa cells using 1 µg FEN1 antibody (abx001089). Western blot was performed from the immunoprecipitate using FEN1 antibody (abx001089) at a dilition of 1/1000.

FEN1 Antibody is a Rabbit Polyclonal antibody against FEN1. The protein encoded by this gene removes 5' overhanging flaps

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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:	FEN1
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Tested Applications:	WB, IHC, IF/ICC, IP
Recommended dilutions:	WB: 1/500 - 1/2000, IHC: 1/50 - 1/200, IF/ICC: 1/10 - 1/100, IP: 1/50 - 1/200. Optimal dilutions/concentrations should be determined by the end user.
Immunogen:	Recombinant protein of human FEN1.
Purification:	Affinity purified.
Form:	Liquid
Isotype:	IgG
Conjugation:	Unconjugated
Storage:	Aliquot and store at -20 °C. Avoid repeated freeze/thaw cycles.
Molecular Weight:	Calculated MW: 35 kDa/42 kDa Observed MW: Refer to Figures
Swiss Prot:	P39748
GeneID:	2237
Gene Symbol:	FEN1
Concentration:	> 1 mg/ml
Buffer:	PBS, pH 7.3, 0.02% sodium azide, 50% glycerol.

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Note: This product is for research use only.