# antibodies - online.com







# anti-FEN1 antibody (AA 243-272)





Overview	
Quantity:	400 μL
Target:	FEN1
Binding Specificity:	AA 243-272
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FEN1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)
Product Details	
Immunogen:	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.
Clone:	RB17639
Isotype:	lg Fraction
Predicted Reactivity:	B, Sh
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Target Details	
Target:	FEN1

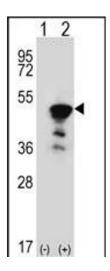
# **Target Details**

Alternative Name:	FEN1 (FEN1 Products)
Background:	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.
Molecular Weight:	42593
Gene ID:	2237
NCBI Accession:	NP_004102
UniProt:	P39748
Pathways:	Telomere Maintenance, DNA Damage Repair, DNA Replication, Synthesis of DNA
Application Details	
Application Notes:	IF: 1:100. WB: 1:1000. WB: 1:1000
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which
	should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small
	aliquots to prevent freeze-thaw cycles.

Expiry Date:

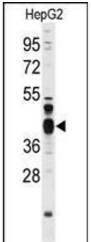
6 months

# **Images**



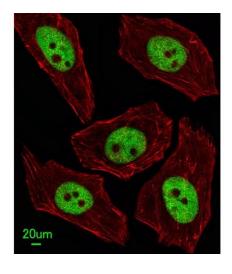
# **Western Blotting**

Image 1. Western blot analysis of FEN1 (arrow) using rabbit polyclonal FEN1 Antibody (Center) (ABIN389376 and ABIN2839472). 293 cell lysates (2 µg/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the FEN1 gene.



# **Western Blotting**

Image 2. Western blot analysis of anti-FEN1 Antibody (Center) (ABIN389376 and ABIN2839472) in HepG2 cell line lysates (35 µg/lane). FEN1(arrow) was detected using the purified Pab.



## **Immunofluorescence**

Image 3. Immunofluorescent analysis of cells, using FEN1 Antibody (Center) (ABIN389376 and ABIN2839472). (ABIN389376 and ABIN2839472) 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). DI was used to stain the cell nuclear (blue).