

Rabbit FEN1 Polyclonal Antibody | anti-FEN1 antibody

FEN1 antibody - N-terminal region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA199659	Rabbit	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Pig, Rabbit, Rat, Sheep, Zebrafish	Western Blot

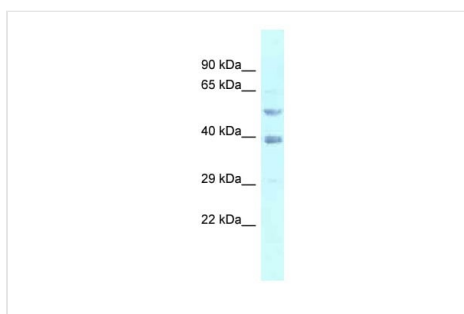
PRODUCT SYNONYMS

FEN1; Polyclonal Antibody; FEN1 antibody - N-terminal region; anti-FEN1 antibody

PRODUCT SPECIFICATIONS

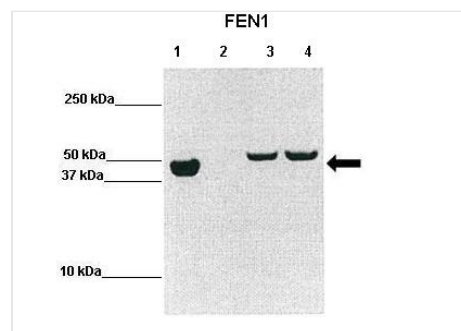
Host	Rabbit
Reactivity	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Pig, Rabbit, Rat, Sheep, Zebrafish
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following region: AP SAIRENDIKS YFGRKVAIDA SMSIYQFLIA VRQGGDVLQN EEGETTSH
Sequence Length	380
Applicable Applications for anti-FEN1 antibody	WB (Western Blot)
Homology	Cow: 100%; Dog: 100%; Guinea Pig: 93%; Horse: 100%; Human: 100%; Mouse: 100%; Pig: 100%; Rabbit: 93%; Rat: 100%; Sheep: 100%; Zebrafish: 79%
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



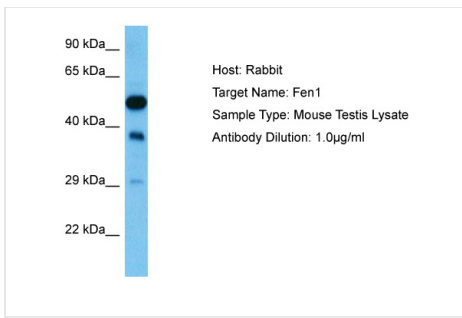
WB (Western Blot)

WB Suggested Anti-FEN1 Antibody Titration: 1.0 ug/ml Positive Control: 293T Whole Cell FEN1 is supported by BioGPS gene expression data to be expressed in HEK293T



WB (Western Blot)

WB Suggested Anti-FEN1 Antibody Positive Control: Lane1: hFEN1 (1-336), Lane2: uninduced BL21, Lane3: 2h induced BL21, Lane4: overnight induced BL21 Primary Antibody Dilution : 1:2000 Secondary Antibody : Goat anti-rabbit-HRP Secondary Antibody Dilution : 1:10,000 Submitted by: Prof. Jon R Sayers, University of Sheffield Medical School



WB (Western Blot)
Host: MouseTarget Name: FEN1Sample Tissue: Mouse TestisAntibody Dilution: 1ug/ml

ADDITIONAL INFORMATION

Related Product Information for anti-FEN1 antibody	This is a rabbit polyclonal antibody against FEN1. It was validated on Western Blot Target Description: 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. 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.
Product Categories/Family for anti-FEN1 antibody	Polyclonal; Transcription Factor; Cancer; RNA Binding Proteins; Transcription Regulation; Cell Biology; Developmental Biology; DNA/RNA/Protein Interactions; DNA Repair

NCBI AND UNIPROT INFORMATION

NCBI GI #	4758356
NCBI GeneID	2237
NCBI Accession #	NP_004102
NCBI GenBank Nucleotide #	NM_004111
UniProt Accession #	P39748
Molecular Weight	42kDa
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	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.

