

FEN1

Reactivity: Human

Tested applications: WB IF

Recommended Dilution: WB 1:500 - 1:2000 IF 1:20 - 1:50

Calculated MW: 43kDa

Observed MW: Refer to Figures

Immunogen:

A synthetic peptide of human FEN1

Storage Buffer:

Store at 4. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Concentration:

e

Synonym:

FEN1;FEN-1;MF1;RAD2

Catalog #: A0129

Antibody Type:

Polyclonal Antibody

Species: Rabbit

Gene ID: 2237

Isotype: IgG

Swiss Prot: P39748

Purity: Affinity purification

For research use only.

Background:

Flap endonuclease-1 (FEN1) is a structure-specific nuclease with multiple functions in DNA processing pathways (1,2). The replication and DNA repair activities of FEN1 are critical for genomic stability in the eukaryotic cell. Through interaction with proliferation cell nuclear antigen (PCNA), FEN1 helps coordinate Okazaki fragment maturation by removing RNA-DNA primers (3). FEN1 is also required for non-homologous end joining of double stranded DNA breaks in long patch base excision repair (4,5). The multi-functional activities of FEN1 are regulated by various mechanisms, including protein partner interactions (6,7), post-translational modifications (8,9), and subcellular re-localization in response to cell cycle or DNA damage (10).

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