

Product datasheet for **TA326972**

FEN1 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ICC/IF, IHC, IP, WB
Recommended Dilution:	WB 1:500 - 1:2000;IF 1:10 - 1:100
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Recombinant protein of human FEN1
Formulation:	Store at -20C or -80C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3
Concentration:	lot specific
Purification:	Affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	43 kDa
Gene Name:	flap structure-specific endonuclease 1
Database Link:	NP_004102 Entrez Gene 14156 Mouse Entrez Gene 2237 Human P39748
Background:	Flap endonuclease-1 (FEN-1) is a structure-specific nuclease with multiple functions in DNA processing pathways. The replication and DNA repair activities of FEN-1 are critical for genomic stability in the eukaryotic cell. Through interaction with proliferation cell nuclear antigen (PCNA), FEN-1 helps coordinate Okazaki fragment maturation by removing RNA-DNA primers. FEN-1 is also required for non-homologous end joining of double stranded DNA breaks in long patch base excision repair. The multi-functional activities of FEN-1 are regulated by various mechanisms, including protein partner interactions, post-translational modifications, and subcellular re-localization in response to cell cycle or DNA damage.



[View online »](#)

Synonyms: FEN-1; MF1; RAD2

Protein Families: Druggable Genome, Stem cell - Pluripotency

Protein Pathways: Base excision repair, DNA replication, Non-homologous end-joining