



## FEN1 Polyclonal Antibody

E91175

- Catalog Number:** E91175
- Amount:** 100ul
- Background:** Flap endonuclease-1 (FEN-1) is a structure-specific nuclease with multiple functions in DNA processing pathways (1,2). 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 (3). FEN-1 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 FEN-1 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).
- Species:** Rabbit
- Isotype:** IgG
- Storage/Stability:** Store at -20oC or -80oC. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
- Synonyms:** FEN1;FEN-1;MF1;RAD2 ;
- Immunogen:** Recombinant protein of human FEN1
- Purification:** Affinity purification
- Reactivity:** H M R
- Applications:** WB IHC
- Molecular Weight:** 43kDa
- Swiss-Prot No. :** P39748
- Gene ID:** 2237
- References:** 1. Shen, B. et al. (2005) Bioessays 27, 717-729. 2. Liu, Y. et al. (2004) Annu. Rev. Biochem. 73, 589-615. 3. Sakurai, S. et al. (2005) EMBO J. 24, 683-693. 4. Wu, X. et al. (1999) Proc. Natl. Acad. Sci. USA 96, 1303-1308. 5. Gary, R. et al. (1999) J. Biol. Chem. 274, 4354-4363. 6. Brosh, R.M. et al. (2001) EMBO J. 20, 5791-5801. 7. Sharma, S. et al. (2004) J. Biol. Chem. 279, 9847-9856. 8. Henneke, G. et al. (2003) Oncogene 22, 4301-4313. 9. Hasan, S. et al. (2001) Mol. Cell 7, 1221-1231. 10. Qiu, J. et al. (2001) J. Biol. Chem. 276, 4901-4908.

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