FEN1 monoclonal antibody

Catalog: MB66591 Host: Mouse Reactivity: Human, Mouse, Rat, Monkey, Hamster

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.

Product:

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.

Molecular Weight:

~ 45 kDa

Swiss-Prot:

P39748

Purification&Purity:

The antibody was purified by immunogen affinity chromatography.

Applications:

WB (1/500 - 1/1000), IF/ICC (1/50 - 1/100)

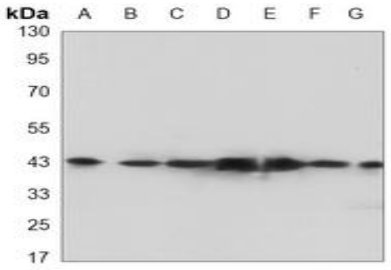
Storage&Stability:

Store at 4℃ short term. Aliquot and store at -20℃ long term. Avoid freeze-thaw cycles.

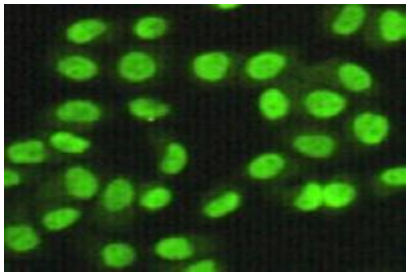
Specificity:

Recognizes endogenous levels of FEN1 protein.

DATA:



Western blot analysis of FEN1 expression in Hela (A), Jurkat (B), NIH3T3 (C), COS7 (D), PC12 (E), C6 (F), Raw264.7 (G) whole cell lysates.



Immunofluorescent analysis of FEN1 staining in HeLa cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 ℃ in a hidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark.

Note:

For research use only, not for use in diagnostic procedure.

Bioworld Technology, Inc.
Add: 1660 South Highway 100, Suite 500 St. Louis Park, MN 55416,USA.
Email: info@bioworlde.com
Tel: 6123263284
Fax: 6122933841

Bioworld technology, co. Ltd.
Add: No 9, weidi road Qixia District Nanjing, 210046, P. R. China.
Email: info@biogot.com
Tel: 0086-025-68037686
Fax: 0086-025-68035151