

FEN-1 Mouse mAb

CatalogNo: YM1414

Comparable Abs 

Key Features

Host Species

- Mouse

Reactivity

- Human, Mouse, Rat

Applications

- WB, IP

MW

- 45kD (Observed)

Recommended Dilution Ratios

WB 1:1000

Storage

Storage* -15°C to -25°C/1 year(Do not lower than -25°C)**Formulation** Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Basic Information

Clonality Monoclonal

Immunogen Information

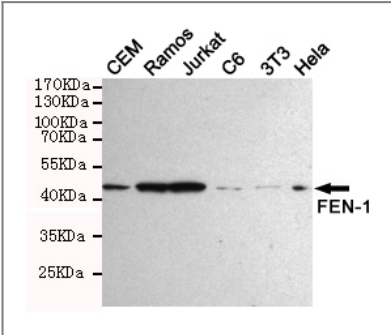
Immunogen Purified recombinant human FEN-1 protein fragments expressed in E.coli.**Specificity** This antibody detects endogenous levels of FEN-1 and does not cross-react with related proteins.

Target Information

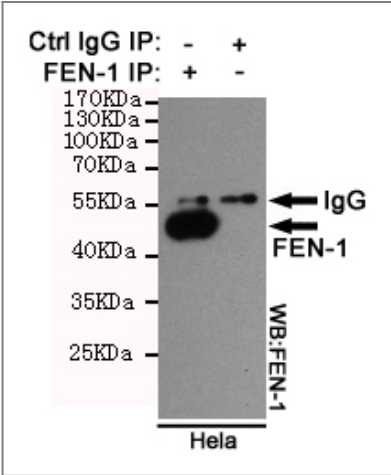
Gene name fen1

| Protein Name | Organism | Gene ID | UniProt ID |
|------------------------------|---|-----------------------|-------------------------|
| | Human | 2237; | P39748; |
| | Mouse | | P39749; |
| Cellular Localization | [Isoform 1]: Nucleus, nucleolus. Nucleus, nucleoplasm. Resides mostly in the nucleoli and relocalizes to the nucleoplasm upon DNA damage.; [Isoform FENMIT]: Mitochondrion . | | |
| Tissue specificity | Breast,Leukemic T-cell,Lung, | | |
| Function | cofactor:Binds 2 magnesium ions per subunit. They probably participate in the reaction catalyzed by the enzyme. May bind an additional third magnesium ion after substrate binding.,Function:Endonuclease that cleaves the 5'-overhanging flap structure that is generated by displacement synthesis when DNA polymerase encounters the 5'-end of a downstream Okazaki fragment. Also possesses 5' to 3' exonuclease activity on niked or gapped double-stranded DNA, and exhibits RNase H activity.,PTM:Acetylated by EP300. Acetylation inhibits both endonuclease and exonuclease activity. Acetylation also reduces DNA-binding activity but does not affect interaction with PCNA or EP300.,similarity:Belongs to the XPG/RAD2 endonuclease family. FEN1 subfamily.,subunit:Interacts with PCNA. The C-terminal domain binds EP300. Can bind simultaneously to both PCNA and EP300., | | |

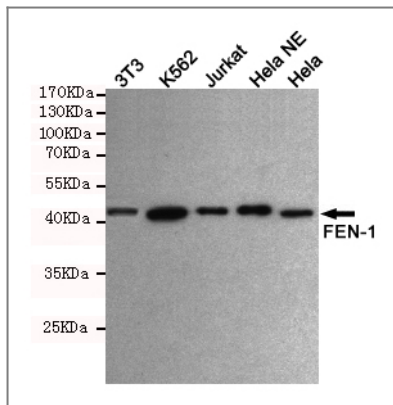
| Validation Data



Western blot detection of FEN-1 in HeLa,Jurkat,3T3,C6,CEM and Ramos cell lysates using FEN-1 mouse mAb (1:1000 diluted).Predicted band size:45KDa.Observed band size:45KDa.



Immunoprecipitation analysis of HeLa cell lysates using FEN-1 mouse mAb.



Western blot detection of FEN-1 in HeLa, HeLa NE, Jurkat, K562 and 3T3 cell lysates using FEN-1 mouse mAb (1:1000 diluted). Predicted band size: 45KDa. Observed band size: 45KDa.

Contact information

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Please scan the QR code to access additional product information:
FEN-1 Mouse mAb

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