

## 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

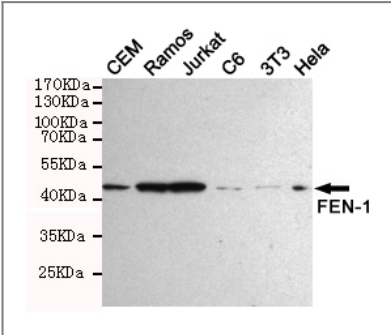
**Immunogen** Purified recombinant human FEN-1 protein fragments expressed in E.coli.**Specificity** This antibody detects endogenous levels of FEN-1 and does not cross-react with related proteins.

### Target Information

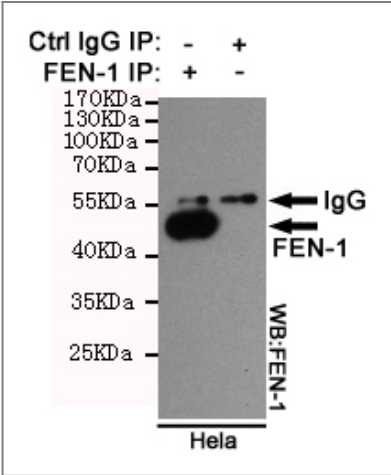
**Gene name** fen1

Protein Name	Organism	Gene ID	UniProt ID
	Human	<a href="#">2237;</a>	<a href="#">P39748;</a>
	Mouse		<a href="#">P39749;</a>
<b>Cellular Localization</b>	[Isoform 1]: Nucleus, nucleolus. Nucleus, nucleoplasm. Resides mostly in the nucleoli and relocalizes to the nucleoplasm upon DNA damage.; [Isoform FENMIT]: Mitochondrion .		
<b>Tissue specificity</b>	Breast,Leukemic T-cell,Lung,		
<b>Function</b>	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.,		

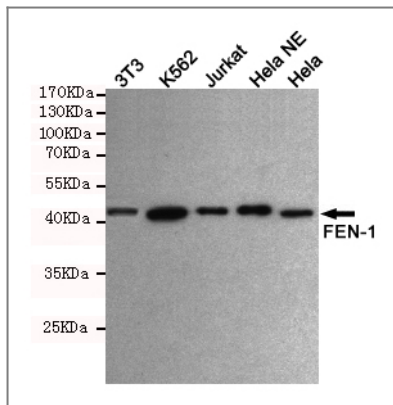
Validation Data



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: 45 kDa. Observed band size: 45 kDa.

## Contact information

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

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