

FEN-1 (PT1327R) PT™ Rabbit mAb

CatalogNo: YM9169 **Recombinant** 

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- WB, IHC, IF, ELISA

MW

- 43kD (Calculated)
- 50kD (Observed)

Isotype

- IgG, Kappa

Storage

Storage* -15°C to -25°C/1 year (Do not lower than -25°C)**Formulation** PBS, 50% glycerol, 0.05% Proclin 300, 0.05% BSA

Recommended Dilution Ratios

IHC 1:500-1:2000**WB 1:2000-1:10000****IF 1:200-1:1000****ELISA 1:5000-1:20000**

Basic Information

Clonality Monoclonal**Clone Number** PT1327R

Immunogen Information

Specificity Endogenous

Target Information

Gene name FEN1

Protein Name Flap endonuclease 1

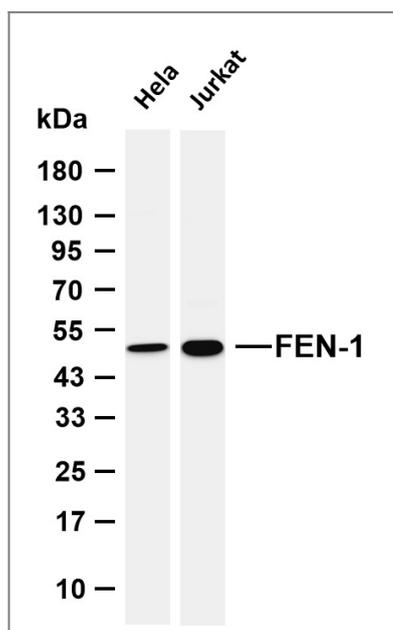
Organism	Gene ID	UniProt ID
Human	2237 ;	P39748 ;
Mouse		P39749 ;
Rat	84490 ;	Q5XIP6 ;

Cellular Localization [Isoform 1]: Nucleus, nucleolus. Nucleus, nucleoplasm. Resides mostly in the nucleoli and relocalizes to the nucleoplasm upon DNA damage.; [Isoform FENMIT]: Mitochondrion .

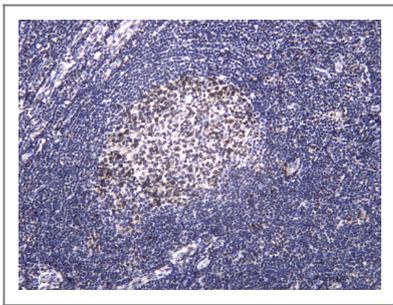
Tissue specificity Breast,Leukemic T-cell,Lung,

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 nicked 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



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-FEN-1 (PT1327R) antibody. The HRP-conjugated Goat anti-Rabbit IgG (H + L) antibody was used to detect the antibody. Lane 1: HeLa Lane 2: Jurkat Predicted band size: 43kDa Observed band size: 50kDa



Human tonsil was stained with anti-FEN-1 (PT1327R) Rabbit antibody

| Contact information

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