Recombinant FEN1 Monoclonal Antibody

catalog number: **AN301922L**

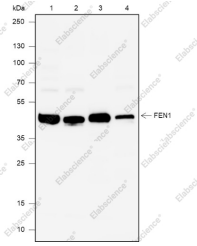
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

Reactivity	Human;Rat
Immunogen	Recombinant human FEN1 fragment
Host	Rabbit
Isotype	Rabbit IgG
Clone	C721543
Purification	Protein A purified
Buffer	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

Applications	Recommended Dilution
WB	1:1000
IHC	1:200-1:500

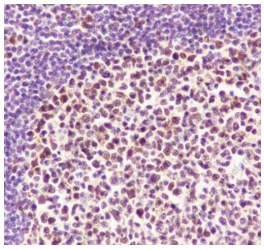
Data



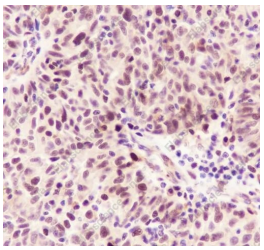
Western Blot with FEN1 Monoclonal Antibody at dilution of 1:1000. Lane 1: HeLa, Lane 2: HepG2, Lane 3: Jurkat, Lane 4: C6

Observed-MW:43 kDa

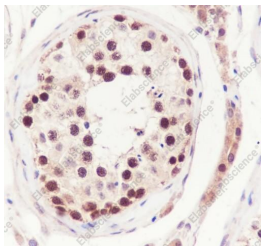
Calculated-MW:43 kDa



Immunohistochemistry of paraffin-embedded Human tonsil using FEN1 Monoclonal Antibody at dilution of 1:200.



Immunohistochemistry of paraffin-embedded Human ovarian cancer using FEN1 Monoclonal Antibody at dilution of 1:500.



Immunohistochemistry of paraffin-embedded Human testis using FEN1 Monoclonal Antibody at dilution of 1:500.

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	Ice bag

Background

Toll-free: 1-888-852-8623
Tel: 1-832-243-6086
Fax: 1-832-243-6017
Web: www.elabscience.com
Email: techsupport@elabscience.com

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.

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