

A Reliable Research Partner in Life Science and Medicine

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 lgG, κ Clone A638

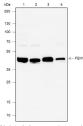
Purification Protein Apurified

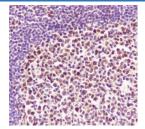
Buffer PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

Applications Recommended Dilution

1:1000 **WB** 1:200-1:500 **IHC**

Data



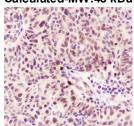


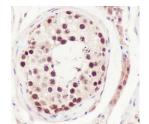
1:1000. Lane 1: HeLa, Lane 2: HepG2, Lane 3: Jurkat, Lane

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

4: C6 Observed-MW:43 kDa

Calculated-MW:43 kDa





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

For Research Use Only

Toll-free: 1-888-852-8623 Fax: 1-832-243-6017 Tel: 1-832-243-6086 Web: www.elabscience.com Email: techsupport@elabscience.com Rev. V1.1

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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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