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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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FEN1 purified MaxPab rabbit polyclonal antibody (D01P) MaxPab®

Catalog # : H00002237-D01P

規格 : [100 ug]

[List All](#)

Specification

Product Description: Rabbit polyclonal antibody raised against a full-length human FEN1 protein.

Immunogen: FEN1 (NP_004102.1, 1 a.a. ~ 380 a.a) full-length human protein.

Sequence:
 MGIQGLAKLIADVAPSAIRENDIKSYFGRKVAIDASMSIYQFLIAVRQGGDV
 LQNEEGETTSHLMGMFYRTIRMMENGIKPVYVFDGKPPQLKSGELAKRS
 ERRAEAEKQLQQAQAAGAEQEVEKFTKRLVKVTKQHNDCKHLLSLMGI
 PYLDAPSEAEASCAALVKAGKYAAATEDMDCLTFGSPVLMRHLTASEA
 KKLPIQEFHLSRILQELGLNQEQFVDLCILLGSDYCESIRGIGPKRAVDLIQ
 KHKSIEEIVRRDPNKYPVPENWLHKEAHLFLEPEVLDPESELKWSEP
 NEEELIKFMCGEKQFSEERIRSGVKRLSKSRQGSTQGRLLDDFFKVTGSL
 SSAKRKEPEPKGSTKKKAKTGAAGKFKRGK

Host: Rabbit

Reactivity: Human, Mouse

Quality Control Testing: Antibody reactive against mammalian transfected lysate.

Storage Buffer: In 1x PBS, pH 7.4

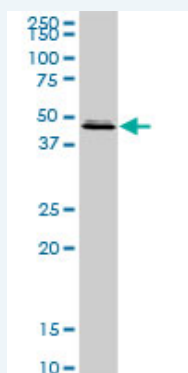
Storage Instruction: Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

MSDS: [Download](#)

Datasheet: [Download](#)

Applications

Western Blot (Tissue lysate)



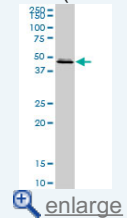
FEN1 MaxPab rabbit polyclonal antibody. Western Blot analysis of FEN1 expression in mouse lung.

[Protocol Download](#)

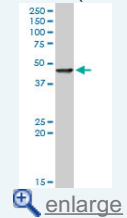
Western Blot (Cell lysate)

Application Image

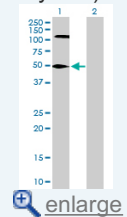
Western Blot (Tissue lysate)

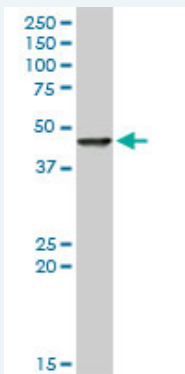


Western Blot (Cell lysate)



Western Blot (Transfected lysate)

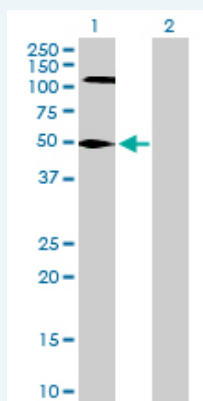




FEN1 MaxPab rabbit polyclonal antibody. Western Blot analysis of FEN1 expression in MCF-7.

 [Protocol Download](#)


Western Blot (Transfected lysate)



Western Blot analysis of FEN1 expression in transfected 293T cell line ([H00002237-T02](#)) by FEN1 MaxPab polyclonal antibody.

Lane 1: FEN1 transfected lysate(42.60 kDa).

Lane 2: Non-transfected lysate.

 [Protocol Download](#)

Gene Information

Entrez GeneID: [2237](#)

GeneBank [NM_004111](#)

Accession#:

Protein [NP_004102.1](#)

Accession#:

Gene Name: FEN1

Gene Alias: FEN-1,MF1,RAD2

Gene Description: flap structure-specific endonuclease 1

Description:

Omim ID: [600393](#)

Gene Ontology: [Hyperlink](#)

Gene Summary: The protein encoded by this gene removes 5' overhanging flaps in DNA repair and processes the 5' ends of Okazaki fragments in lagging strand DNA synthesis. Direct physical interaction between this protein and AP endonuclease 1 during long-patch base excision repair provides coordinated loading of the proteins onto the substrate, thus passing the substrate from one enzyme to another. The protein is a member of the XPG/RAD2 endonuclease family and is one of ten proteins essential for cell-free DNA replication. DNA secondary structure can inhibit flap

processing at certain trinucleotide repeats in a length-dependent manner by concealing the 5' end of the flap that is necessary for both binding and cleavage by the protein encoded by this gene. Therefore, secondary structure can deter the protective function of this protein, leading to site-specific trinucleotide expansions. [provided by RefSeq

Other Designations: DNase IV, maturation factor-1

Gene Pathway

[Base excision repair](#) [DNA replication](#) [Non-homologous end-joining](#)

Related Disease

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