

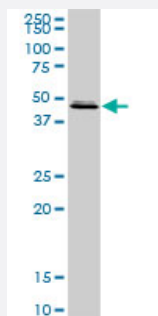
MaxPab®

FEN1 purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00002237-D01P

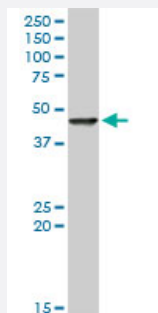
Size 100 ug

Applications



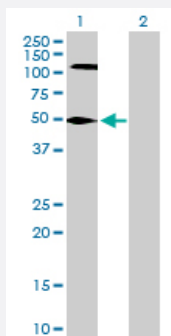
Western Blot (Tissue lysate)

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



Western Blot (Cell lysate)

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



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.

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	MGIQGLAKLIADVAPSAIRENDIKSYFGRKVAIDASMSYQFLIAVRQGGDVLQNEEGETTSHLMGM FYRTIRMMENGIKPVYVFDGKPPQLKSGELAKRSERRAEAEKQLQQAQAAGAEQEVEKFTKRLV KVTKQHNDCKHLLSLMGIPYLDAPSEAEASCAALVKAGKVYAAATEDMDCLTFGSPVLMRHLT ASEAKKLPIQEFHLSRILQELGLNQEQFVDLCILLGSDYCESIRGIGPKRAVDLIQKHKSIEEVRRLD PNKYPVPENWLHKEAHQLFLEPEVLDPEVELKWSEPNEEELIKFMCGEKQFSEERIRSGVKRL SKSRQGSTQGRLLDDFFKVTGSLSSAKRKEPEPKGSTKKKAKTGAAGKFKRGK
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.

Applications

- Western Blot (Tissue lysate)

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

[Protocol Download](#)

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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.

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[Protocol Download](#)

Gene Info — FEN1

Entrez GeneID [2237](#)

GeneBank Accession# [NM_004111](#)

Protein Accession#	NP_004102.1
Gene Name	FEN1
Gene Alias	FEN-1, MF1, RAD2
Gene Description	flap structure-specific endonuclease 1
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

Pathway

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

Disease

- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Coronary Artery Disease](#)
- [DNA Damage](#)
- [Genetic Predisposition to Disease](#)
- [Graft vs Host Disease](#)

- [Head and Neck Neoplasms](#)
- [Huntington disease](#)
- [Lung Neoplasms](#)
- [Lupus Erythematosus](#)
- [Multiple Sclerosis](#)
- [Neoplasm Recurrence](#)
- [Neoplasms](#)