



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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## FEN1 purified MaxPab mouse polyclonal antibody (B01P) MaxPab®

Catalog # : H00002237-B01P

規格 : [ 50 ug ]

[List All](#)

### Specification

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

**Immunogen:** FEN1 (AAH00323, 1 a.a. ~ 380 a.a) full-length human protein.

**Sequence:**  
 MGIQGLAKLIADVAPSAIRENDIKSYFGRKVAIDASMSIYQFLIAVRQGGDV  
 LQNEEGETTSHLMGMFYRTIRMMENGIKPVYVFDGKPPQLKSGELAKRS  
 ERRAEAEKQLQQAQAAGAEQEVEKFTKRLVKVTKQHNDCKHLLSLMGI  
 PYLDAPSEAEASCAALVKAGKVYAAATEDMDCLTFGSPVLMRHLTASEA  
 KKLPIQEFHLSRILQELGLNQEQFVDLCILLGSDYCESIRGIGPKRAVDLIQ  
 KHKSIEEIVRRDPNKYPVPENWLHKEAHQLFLEPEVLDPESELKWSEP  
 NEEELIKFCGGEKQFSEERIRSGVKRLSKSRQGSTQGRLLDDFFKVTGSL  
 SSAKRKEPEPKGSTKKKAKTGAAGKFKRGK

**Host:** Mouse

**Reactivity:** Human

**Quality Control Testing:** Antibody reactive against mammalian transfected lysate.

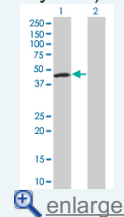
**Storage Buffer:** In 1x PBS, pH 7.4


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

**Datasheet:**  [Download](#)

### Application Image

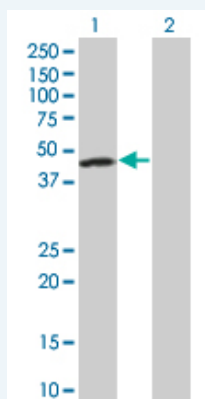
Western Blot (Transfected lysate)



 [enlarge](#)

### Applications


Western Blot (Transfected lysate)



Western Blot analysis of FEN1 expression in transfected 293T cell line (H00002237-T01) by FEN1 MaxPab polyclonal antibody.

Lane 1: FEN1 transfected lysate(41.8 KDa).

Lane 2: Non-transfected lysate.

 [Protocol Download](#)

### Gene Information

**Entrez GeneID:** [2237](#)

**GeneBank** [BC000323](#)

**Accession#:**

**Protein** [AAH00323](#)

**Accession#:**

**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

### Gene Pathway

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

### Related Disease

[Breast cancer](#) [Breast Neoplasms](#) [Coronary Artery Disease](#) [DNA Damage](#)  
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