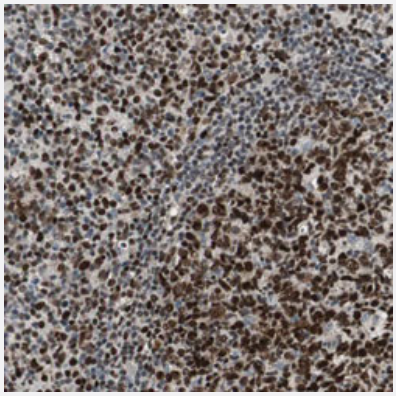
FEN1 polyclonal antibody

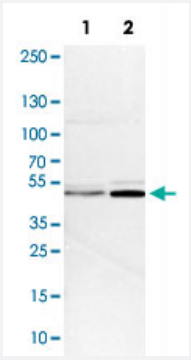
Catalog # PAB31378 Size 100 uL

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human lymph node with FEN1 polyclonal antibody (Cat # PAB31378) shows strong nuclear positivity in germinal center and non-germinal center cells.



Western Blot (Cell lysate)

Western Blot analysis of Lane 1: NIH-3T3 cell lysate (mouse embryonic fibroblast cells) and Lane 2: NBT-II cell lysate (Wistar rat bladder tumour cells) with FEN1 polyclonal antibody (Cat # PAB31378).

Specification

Product Description	Rabbit polyclonal antibody raised against partial recombinant human FEN1.
Immunogen	Recombinant protein corresponding to human FEN1.
Sequence	CAALVKAGKVYAAATEDMDCLTFGSPVLMRHLTASEAKKLPIQEFHLSRILQELGLNQEQFVDLCI LLGSDYCESIRGIGPKRAVDLIQKHKSIEEIVRRLDPNKYPVPENWLHKEAHQLFLEPEVLDPESVE LKW
Host	Rabbit
Reactivity	Human, Mouse, Rat

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Form	Liquid
Purification	Antigen affinity purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:50-1:200) Western Blot (1:100-1:250) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide).
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

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Gene Info — FEN1

Entrez GeneID	2237
Protein Accession#	P39748
Gene Name	FEN1
Gene Alias	FEN-1, MF1, RAD2
Gene Description	flap structure-specific endonuclease 1
Omim ID	600393
Gene Ontology	Hyperlink

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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 betwee n this protein and AP endonuclease 1 during long-patch base excision repair provides coordinate d loading of the proteins onto the substrate, thus passing the substrate from one enzyme to anoth er. The protein is a member of the XPG/RAD2 endonuclease family and is one of ten proteins ess ential 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 nec essary for both binding and cleavage by the protein encoded by this gene. Therefore, secondary s tructure can deter the protective function of this protein, leading to site-specific trinucleotide expan sions. [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

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- Neoplasms

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