

anti- FEN1 antibody

Product Information

Catalog No.:	FNab03075
Size:	100µg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
Clone ID:	None
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months (Avoid repeated freeze / thaw cycles.)

Background

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.

Immunogen information

Immunogen:	flap structure-specific endonuclease 1
Synonyms:	RAD2
Observed MW:	42 kDa
UniprotID :	P39748

Wuhan Fine Biotech Co., Ltd.

B9 Bld, High-Tech Medical Devices Park, No. 818 GaoxinAve. East Lake High-Tech Development Zone. Wuhan, Hubei, China(430206)

Tel : (0086)027-87384275

Fax: (0086)027-87800889 www.fn-test.com

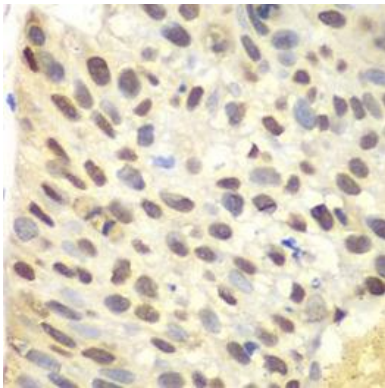
Application

Reactivity: Human, Mouse

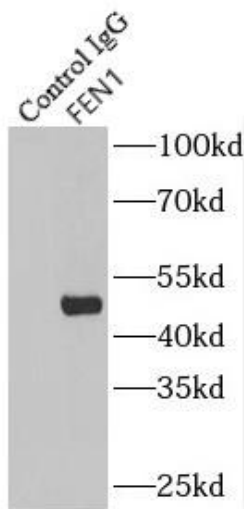
Tested Application: ELISA, WB, IHC, IF, IP

Recommended dilution: WB: 1:500 - 1:2000; IHC: 1:50 - 1:200; IF: 1:10 - 1:100; IP : 1:50 - 1:200

Image:



Immunohistochemistry of paraffin-embedded human lung cancer using FNab03075(FEN1 Antibody) at dilution of 1:100



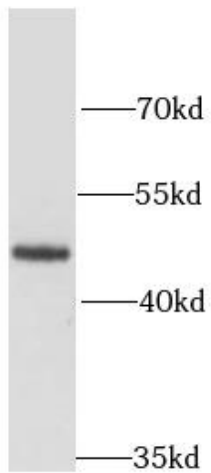
IP Result of anti-FEN1 (IP:FNab03075, 4ug; Detection:FNab03075 1:500) with NIH/3T3 cells lysate 1200ug.

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NIH/3T3 cells were subjected to SDS PAGE followed by western blot with FNab03075(FEN1 antibody) at dilution of 1:1000