

Datasheet for ABIN6241658

**anti-FEN1 antibody****2** Images[Go to Product page](#)

## Overview

Quantity:	100 µL
Target:	FEN1
Reactivity:	Human, Mouse
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This FEN1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunoprecipitation (IP)

## Product Details

Immunogen:	Recombinant Protein
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## Target Details

Target:	FEN1
Alternative Name:	FEN-1 ( <a href="#">FEN1 Products</a> )
Background:	Structure-specific nuclease with 5'-flap endonuclease and 5'-3' exonuclease activities involved in DNA replication and repair. During DNA replication, cleaves the 5'-overhanging flap structure that is generated by displacement synthesis when DNA polymerase encounters the 5'-end of a downstream Okazaki fragment. It enters the flap from the 5'-end and then tracks to cleave the flap base, leaving a nick for ligation. Also involved in the long patch base excision repair (LP-BER) pathway, by cleaving within the apurinic/apyrimidinic (AP) site-terminated flap. Acts as a genome stabilization factor that prevents flaps from equilibrating into structures that lead to duplications and deletions. Also possesses 5'-3' exonuclease activity on nicked or gapped

Target Details

	double- stranded DNA, and exhibits RNase H activity. Also involved in replication and repair of rDNA and in repairing mitochondrial DNA.
UniProt:	<a href="#">P39748</a>
Pathways:	<a href="#">Telomere Maintenance</a> , <a href="#">DNA Damage Repair</a> , <a href="#">DNA Replication</a> , <a href="#">Synthesis of DNA</a>

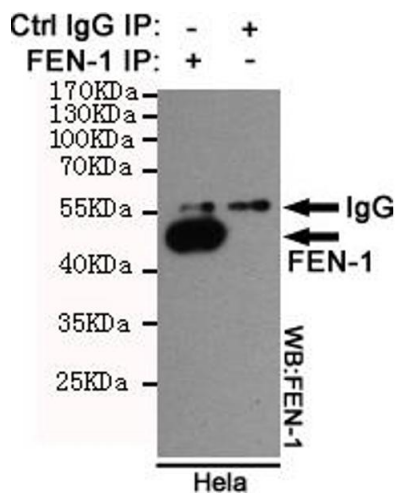
Application Details

Application Notes:	IP: 1:500. WB: 1:1000
Restrictions:	For Research Use only

Handling

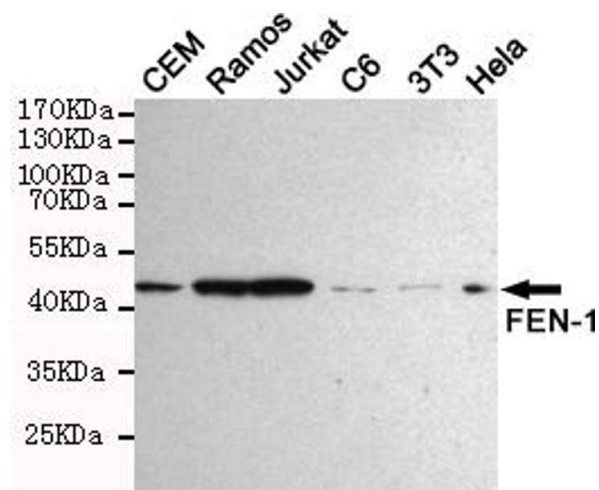
Format:	Liquid
Storage:	4 °C,-20 °C

Images



Immunoprecipitation

**Image 1.** Immunoprecipitation analysis of HeLa cell lysates using FEN-1 mouse mAb.



Western Blotting

**Image 2.** Western blot detection of FEN-1 in HeLa, Jurkat, 3T3, C6, CEM and Ramos cell lysates using FEN-1 mouse mAb (1:1000 diluted). Predicted band size: 45KDa. Observed band size: 45KDa.