

For Research Use Only

FEN1 Recombinant antibody, PBS Only

Catalog Number: 84916-6-PBS



Basic Information

Catalog Number: 84916-6-PBS	GenBank Accession Number: BC000323	Purification Method: Protein A purification
Concentration: 1000 µg/ml	GeneID (NCBI): 2237	CloneNo.: 242330E12
Source: Rabbit	UNIPROT ID: P39748	
Isotype: IgG	Full Name: flap structure-specific endonuclease 1	
Immunogen Catalog Number: AG6552	Calculated MW: 43 kDa	
	Observed MW: 48 kDa	

Applications

Tested Applications:
WB, IF/ICC, Indirect ELISA

Species Specificity:
human, mouse

Background Information

FEN1(Flap endonuclease-1) is the prototypical member of the 5'-nuclease superfamily, whose activities span a range of cellular pathways involved in DNA replication and genome maintenance (PMID: 22118811, 21496641, 20929870). FEN1 is a structure-selective metallo-nuclease essential for Okazaki fragment maturation through efficient removal of 5' flaps resulting from strand displacement during lagging-strand synthesis (PMID: 8144677, 9081985). FEN1 is overexpressed in multiple cancer types, and has been suggested both as a biomarker relating to prognosis and disease progression and as a potential therapeutic target (PMID: 19010819, 16879693, 19596913, 27526030).

Storage

Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS Only

For technical support and original validation data for this product please contact:

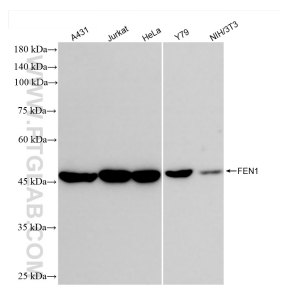
T: 4006900926

E: Proteintech-CN@ptglab.com

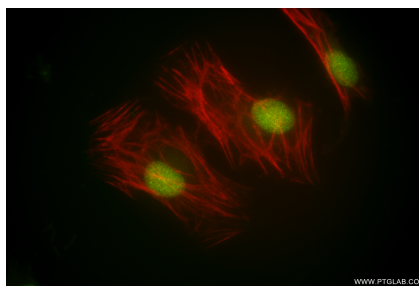
W: ptgcn.com

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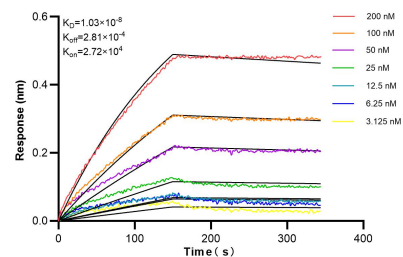
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84916-6-RR (FEN1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84916-6-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using FEN1 antibody (84916-6-RR, Clone: 242330E12) at dilution of 1:500 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red). This data was developed using the same antibody clone with 84916-6-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 84916-6-RR against Human FEN1 were performed. The affinity constant is 10.3 nM.