PCNA Recombinant Rabbit Monoclonal Antibody (SY12-07)

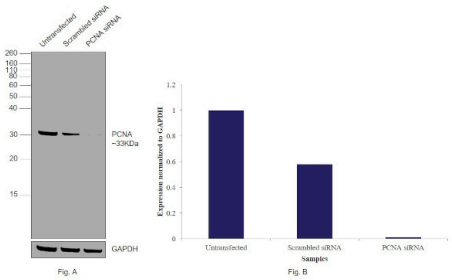
Product Details	
Size	100 µL
Species Reactivity	Human, Mouse, Rat
Host/Isotype	Rabbit / IgG
Expression system	HEK293 cells
Class	Recombinant Monoclonal
Type	Antibody
Clone	SY12-07
Conjugate	Unconjugated
Immunogen	Synthetic peptide within Human PCNA aa 88-137
Form	Liquid
Concentration	1 mg/mL
Purification	Protein A
Storage buffer	TBS, pH 7.4, with 40% Glycerol, 0.05% BSA
Contains	0.05% sodium azide
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2809345

Applications	Tested Dilution	Publications
Western Blot (WB)	1:5,000	-
Immunohistochemistry (Paraffin) (IHC (P))	1:1,000-1:2,000	-
Immunocytochemistry (ICC/IF)	1:2,000	-
Flow Cytometry (Flow)	1:200	-

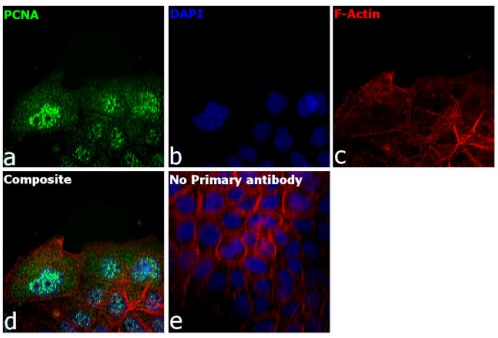
Product Specific Information

Recombinant rabbit monoclonal antibodies are produced using in vitro expression systems. The expression systems are developed by cloning in the specific antibody DNA sequences from immunoreactive rabbits. Then, individual clones are screened to select the best candidates for production. The advantages of using recombinant rabbit monoclonal antibodies include: better specificity and sensitivity, lot-to-lot consistency, animal origin-free formulations, and broader immunoreactivity to diverse targets due to larger rabbit immune repertoire.

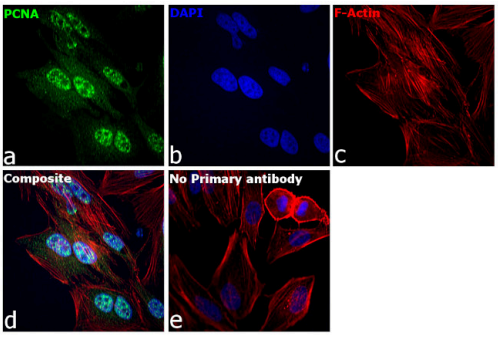
Product Images For PCNA Recombinant Rabbit Monoclonal Antibody (SY12-07)



PCNA Antibody (MA5-32051)
Antibody specificity was demonstrated by siRNA mediated knockdown of target protein. HeLa cells were transfected with PCNA siRNA and decrease in signal intensity was observed in Western Blot application using Anti-PCNA Recombinant Rabbit Monoclonal Antibody (SY12-07) (Product # MA5-32051). {KD}



PCNA Antibody (MA5-32051) in ICC/IF
Immunofluorescence analysis of PCNA was performed using 70% confluent log phase A-431 cells. The cells were fixed with 4% paraformaldehyde for 10 minutes, permeabilized with 0.1% Triton™ X-100 for 15 minutes, and blocked with 2% BSA for 1 hour at room temperature. The cells were labeled with PCNA Recombinant Rabbit Monoclonal Antibody (SY12-07) (Product # MA5-32051, 1: 100 dilution) in 0.1% BSA, incubated at 4 degree celsius overnight and then labeled with Donkey anti-Rabbit IgG (H+L) Highly Cross-Adsorbed Secondary Antibody, Alexa Fluor Plus 488 (Product # A32790, 1:2,000 dilution) for 45 minutes at room temperature (Panel a: Green). Nuclei (Panel b:Blue) were stained with Hoechst 33342 (Product # H1399). F-actin (Panel c: Red) was stained with Rhodamine Phalloidin (Product # R415, 1:300 dilution). Panel d represents the merged image showing nuclear localization. Panel e represents control cells with no primary antibody to assess background. The images were captured at 40X magnification in CellInsight CX7 LZR High-Content Screening (HCS) Platform (Product # CX7A1110LZR) and externally deconvoluted (D.Sage et al. / Methods 115 (2017) 28–41).



PCNA Antibody (MA5-32051) in ICC/IF
Immunofluorescence analysis of PCNA was performed using 70% confluent log phase HeLa cells. The cells were fixed with 4% paraformaldehyde for 10 minutes, permeabilized with 0.1% Triton™ X-100 for 15 minutes, and blocked with 2% BSA for 1 hour at room temperature. The cells were labeled with PCNA Recombinant Rabbit Monoclonal Antibody (SY12-07) (Product # MA5-32051, 1: 100 dilution) in 0.1% BSA, incubated at 4 degree celsius overnight and then labeled with Donkey anti-Rabbit IgG (H+L) Highly Cross-Adsorbed Secondary Antibody, Alexa Fluor Plus 488 (Product # A32790, 1:2,000 dilution) for 45 minutes at room temperature (Panel a: Green). Nuclei (Panel b:Blue) were stained with Hoechst 33342 (Product # H1399). F-actin (Panel c: Red) was stained with Rhodamine Phalloidin (Product # R415, 1:300 dilution). Panel d represents the merged image showing nuclear localization. Panel e represents control cells with no primary antibody to assess background. The images were captured at 40X magnification in CellInsight CX7 LZR High-Content Screening (HCS) Platform (Product # CX7A1110LZR) and externally deconvoluted (D.Sage et al. / Methods 115 (2017) 28–41).

View more figures on thermofisher.com