

DNA-PK Recombinant Rabbit Monoclonal Antibody (SC57-08)

Product Details	
Size	100 µL
Species Reactivity	Human, Mouse, Rat
Host/Isotype	Rabbit / IgG
Class	Recombinant Monoclonal
Type	Antibody
Clone	SC57-08
Conjugate	Unconjugated
Immunogen	Recombinant protein within Human DNA PKcs aa 4050 to the C-terminus
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_2809479

Applications	Tested Dilution	Publications
ChIP assay (ChIP)	2.5 µg/10 ⁶ cells	-
Immunocytochemistry (ICC)	1:50-1:1000	-
Immunofluorescence (IF)	1:50-1:1000	-
Immunohistochemistry (IHC)	1:50-1:200	-
Western Blot (WB)	1:1,000-1:2,000	-

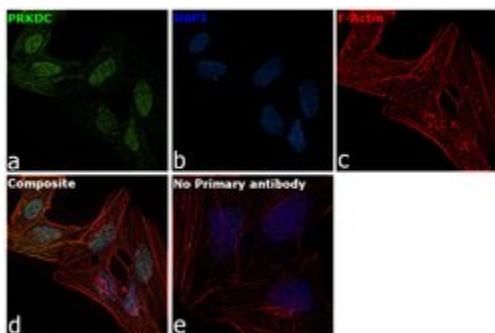
Product Specific Information

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 DNA-PK Recombinant Rabbit Monoclonal Antibody (SC57-08)

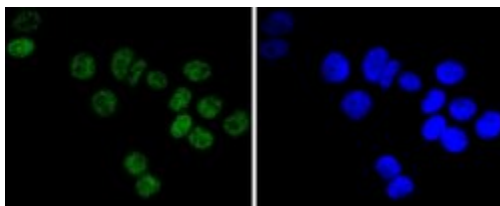
DNA-PK Antibody (MA5-32192) in IF

Immunofluorescence analysis of DNA-PK was performed using 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 DNA-PK Rabbit Monoclonal Antibody (Product # MA5-32192) at 1:100 dilution in 0.1% BSA and incubated overnight at 4 degree and then labeled with Goat anti-Rabbit IgG (H+L) Highly Cross-Adsorbed Secondary Antibody, Alexa Fluor Plus 488 (Product # A32731) at a dilution of 1:2000 for 45 minutes at room temperature (Panel a: green). Nuclei (Panel b: blue) were stained with ProLong™ Diamond Antifade Mountant with DAPI (Product # P36962). F-actin (Panel c: red) was stained with Rhodamine Phalloidin (Product # R415, 1:300). Panel d represents the composite image showing nuclear localization of DNA-PK. Panel e represents control cells with no primary antibody to assess background. The images were captured at 60X magnification.



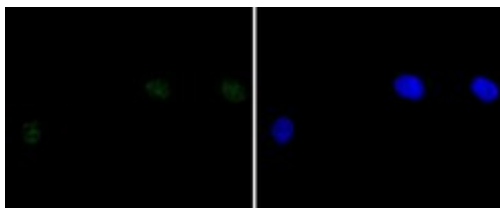
DNA-PK Antibody (MA5-32192) in ICC

Immunocytochemical analysis of DNA-PK in MCF-7 cells using a DNA-PK Monoclonal antibody (Product # MA5-32192) as seen in green. The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



DNA-PK Antibody (MA5-32192) in ICC

Immunocytochemical analysis of DNA-PK in A549 cells using a DNA-PK Monoclonal antibody (Product # MA5-32192) as seen in green. The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100 /PBS.



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