For Research Use Only

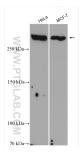
DNA-PKcs Polyclonal antibody Catalog Number: 19983-1-AP 22 Publications

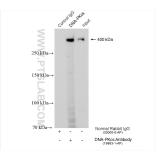


Basic Information	Catalog Number: 19983-1-AP	GenBank Acce NM_006904	ssion Number:	Purification Method: Antigen affinity purification	
	Concentration:	GenelD (NCBI)):	Recommended Dilutions:	
	700 µg/ml	5591		WB 1:500-1:3000	
	Source: Rabbit	UNIPROT ID: P78527		IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate	
	Isotype: IgG	•	Full Name: protein kinase, DNA-activated, catalytic polypeptide		
		Calculated MV 469 kDa	N:		
		Observed MW 350-460 kDa	:		
Applications	Tested Applications:		Positive Controls:		
	WB, IP, ELISA		WB : HeLa cells, MCF-7 cells		
	Cited Applications: WB, IHC, IF, CoIP		IP : HeLa cells,		
	Species Specificity:				
	human				
	Cited Species: human, mouse, rat	- HYRC 1 DNPK1 and p/6	0 helongs to the PI3/	PI4-kinase family PRKDC is a	
Background Information	Cited Species: human, mouse, rat PRKDC, also named as HYRC serine/threonine-protein kii end joining (NHEJ), PRKDC i bound to DNA to express its recombination by activation broken ends of DNA. PRKDC site of damage. It is found a stability and the preventior recognizes the substrate cor H2AX/H2AFX, thereby regul	nase that acts as a molect s required for double-stra catalytic properties. It pr n of the hairpin endonucl may also act as a scaffol t the ends of chromosom of chromosomal end fus nsensus sequence [ST]-Q. ating DNA damage respo JN, p53/TP53, PARP1, PO	cular sensor for DNA d and break (DSB) repai romotes processing of ease artemis (DCLRE: d protein to aid the lo es, suggesting a furth ion. It also involved i PRKDC phosphorylat onse mechanism. It ph U2F 1, DHX9, SRF, XRC	(PI4-kinase family. PRKDC is a lamage. Involved in DNA nonhomologo ir and V(D)J recombination. PRKDC must f hairpin DNA structures in V(D)J 1C). It is required to protect and align ocalization of DNA repair proteins to th her role in the maintenance of telomeri in modulation of transcription. It tes 'Ser-139' of histone variant hosphorylates DCLRE1C, c-Abl/ABL1, :C1, XRCC1, XRCC4, XRCC5, XRCC6, WR	
	Cited Species: human, mouse, rat PRKDC, also named as HYRC serine/threonine-protein ki end joining (NHEJ), PRKDC i bound to DNA to express its recombination by activation broken ends of DNA. PRKDC site of damage. It is found a stability and the prevention recognizes the substrate cor H2AX/H2AFX, thereby regul histone H1, HSPCA, c-jun/JL myc/MYC and RFA2. The an	nase that acts as a molect s required for double-stra catalytic properties. It pr n of the hairpin endonucl may also act as a scaffol t the ends of chromosom of chromosomal end fus rsensus sequence [ST]-Q. ating DNA damage respo JN, p53/TP53, PARP1, PO tibody recognizes the C-t	cular sensor for DNA d and break (DSB) repai romotes processing of ease artemis (DCLRE: d protein to aid the Lo es, suggesting a furth ion. It also involved i . PRKDC phosphorylat onse mechanism. It ph U2F 1, DHX9, SRF, XRC term of PRKDC.	Jamage. Involved in DNA nonhomologo ir and V(D)J recombination. PRKDC mus f hairpin DNA structures in V(D)J 1C). It is required to protect and align ocalization of DNA repair proteins to th ier role in the maintenance of telomeri in modulation of transcription. It tes 'Ser-139' of histone variant hosphorylates DCLRE1C, c-Abl/ABL1, CC1, XRCC1, XRCC4, XRCC5, XRCC6, WR	
	Cited Species: human, mouse, rat PRKDC, also named as HYRO serine/threonine-protein ki end joining (NHEJ), PRKDC i bound to DNA to express its recombination by activation broken ends of DNA. PRKDC site of damage. It is found a stability and the preventior recognizes the substrate cor H2AX/H2AFX, thereby regul histone H1, HSPCA, c-jun/JU myc/MYC and RFA2. The an	nase that acts as a molect s required for double-stra catalytic properties. It pr n of the hairpin endonucl may also act as a scaffol t the ends of chromosom of chromosomal end fus issensus sequence [ST]-Q. ating DNA damage respo JN, p53/TP53, PARP1, POI tibody recognizes the C-t	cular sensor for DNA d and break (DSB) repai romotes processing of ease artemis (DCLRE: d protein to aid the lo es, suggesting a furth tion. It also involved i . PRKDC phosphorylat U2F 1, DHX9, SRF, XRC term of PRKDC.	Aamage. Involved in DNA nonhomologo in and V(D)J recombination. PRKDC must f hairpin DNA structures in V(D)J 1C). It is required to protect and align ocalization of DNA repair proteins to th ther role in the maintenance of telomeri in modulation of transcription. It tes 'Ser-139' of histone variant hosphorylates DCLRE1C, c-Abl/ABL1, CC1, XRCC1, XRCC4, XRCC5, XRCC6, WRI Application	
Background Information	Cited Species: human, mouse, rat PRKDC, also named as HYRC serine/threonine-protein ki end joining (NHEJ), PRKDC i bound to DNA to express its recombination by activation broken ends of DNA. PRKDC site of damage. It is found a stability and the preventior recognizes the substrate cor H2AX/H2AFX, thereby regul histone H1, HSPCA, c-jun/JL myc/MYC and RFA2. The an	nase that acts as a molect s required for double-stra catalytic properties. It prin of the hairpin endonucl may also act as a scaffol t the ends of chromosom of chromosomal end fus insensus sequence [ST]-Q. ating DNA damage responsion JN, p53/TP53, PARP1, POI tibody recognizes the C-t Pubmed ID 36435475	cular sensor for DNA d and break (DSB) repai romotes processing of ease artemis (DCLRE: d protein to aid the Lo es, suggesting a furth ion. It also involved i PRKDC phosphorylat onse mechanism. It ph U2F 1, DHX9, SRF, XRC term of PRKDC.	Aamage. Involved in DNA nonhomologo ir and V(D)J recombination. PRKDC mus f hairpin DNA structures in V(D)J 1C). It is required to protect and align ocalization of DNA repair proteins to th her role in the maintenance of telomeri in modulation of transcription. It tes 'Ser-139' of histone variant hosphorylates DCLRE1C, c-Abl/ABL1, CC1, XRCC1, XRCC4, XRCC5, XRCC6, WR Application WB	
	Cited Species: human, mouse, rat PRKDC, also named as HYRO serine/threonine-protein ki end joining (NHEJ), PRKDC i bound to DNA to express its recombination by activation broken ends of DNA. PRKDC site of damage. It is found a stability and the preventior recognizes the substrate cor H2AX/H2AFX, thereby regul histone H1, HSPCA, c-jun/JU myc/MYC and RFA2. The an	nase that acts as a molect s required for double-stra catalytic properties. It pr n of the hairpin endonucl may also act as a scaffol t the ends of chromosom of chromosomal end fus issensus sequence [ST]-Q. ating DNA damage respo JN, p53/TP53, PARP1, POI tibody recognizes the C-t	cular sensor for DNA d and break (DSB) repai romotes processing of ease artemis (DCLRE: d protein to aid the lo es, suggesting a furth tion. It also involved i . PRKDC phosphorylat U2F 1, DHX9, SRF, XRC term of PRKDC.	Aamage. Involved in DNA nonhomologo in and V(D)J recombination. PRKDC must f hairpin DNA structures in V(D)J 1C). It is required to protect and align ocalization of DNA repair proteins to th ther role in the maintenance of telomeri in modulation of transcription. It tes 'Ser-139' of histone variant hosphorylates DCLRE1C, c-Abl/ABL1, CC1, XRCC1, XRCC4, XRCC5, XRCC6, WRI Application	

For technical support and original validation data for this product please contact: E: Proteintech-CN@ptglab.com T: 4006900926 W: ptgcn.com This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data





Various lysates were subjected to SDS PAGE followed by western blot with 19983-1-AP (DNA-PKcs antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours. IP result of anti-DNA-PKcs (IP:19983-1-AP, 4ug; Detection:19983-1-AP 1:500) with HeLa cells lysate 1320 ug.