

Product Datasheet

Anti-DNA-PKcs Antibody (orb1474215)

Description	Mouse monoclonal antibody to DNA-PKcs
Species/Host	Mouse
Reactivity	Human
Conjugation	Unconjugated
Tested Applications	IF, IH, IP, WB
Immunogen	Purified recombinant human DNA-PKcs protein fragments expressed in E.coli
Target	PRKDC
Preservatives	Liquid in PBS containing 50% glycerol, 0.5% rAlbumin and 0.02% sodium azide, pH 7.3.
Form/Appearance	Liquid in PBS containing 50% glycerol, 0.5% rAlbumin and 0.02% sodium azide, pH 7.3.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only
Clonality	Monoclonal
Antibody Type	Primary Antibody
Source	Mouse
Uniprot ID	P78527
Entrez	5591
Dilution Range	WB (1/500 - 1/1000), IH (1/50 - 1/100), IF/IC (1/50 - 1/100), IP (1/10 - 1/50)

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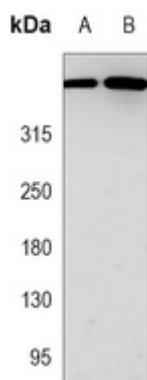
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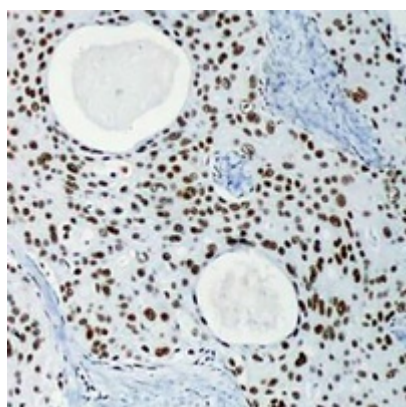
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Expiration Date

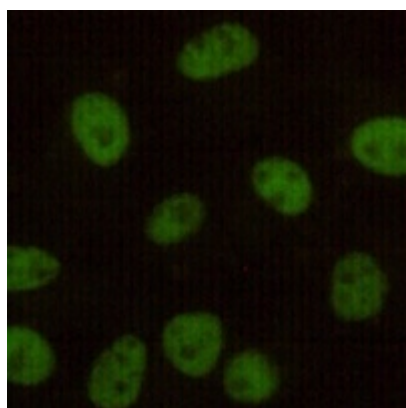
12 months from date of receipt.



Western blot analysis of DNA-PKcs expression in HeLa (A), K562 (B) whole cell lysates. (Predicted band size: 469 kD; Observed band size: 450 kD)



Immunohistochemical analysis of DNA-PKcs staining in human breast carcinoma formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.35). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of DNA-PKcs staining in HeLa cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark.

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