DNA-PKcs (phospho Thr2609) antibody

Cat. No. GTX24194

Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Applications	WB, ICC/IF, IP, ELISA
Reactivity	Human

References (5)
Package
50 µg

Applications

Application Note

*Optimal dilutions/concentrations should be determined by the researcher.

Suggested dilution	Recommended dilution
WB	1:500-1:2000
ICC/IF	Assay dependent
IP	Assay dependent
ELISA	1:300000

Not tested in other applications.

Calculated MW 469 kDa. (Note)

Properties

Form	Liquid
Buffer	20mM Potassium Phosphate, 150mM NaCl
Preservative	0.01% Sodium azide
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4ºC. For long-term storage, aliquot and store at -20ºC or below. Avoid multiple freeze-thaw cycles.
Concentration	1 mg/ml (Please refer to the vial label for the specific concentration.)
Immunogen	Synthetic peptide corresponding to amino acids surrounding Thr 2609 of human DNA PKcs.
Purification	Purified by antigen-affinity chromatography. From serum
Conjugation	Unconjugated

For full product information, images and publications, please visit our website.

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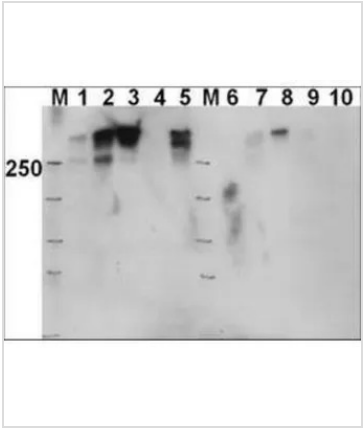
Note

For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.

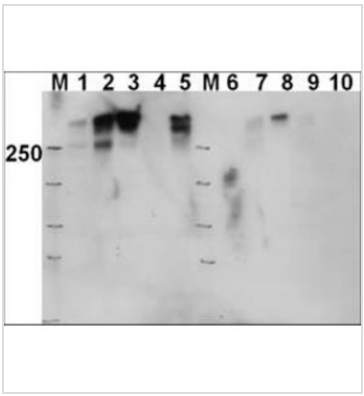
Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.

DATA IMAGES



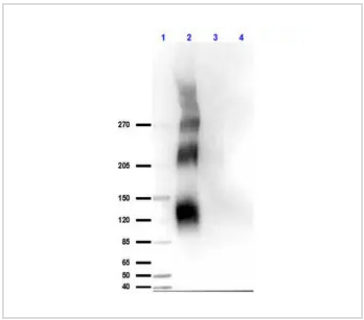
GTX24194 WB Image

Western blot using GeneTex Affinity Purified anti-DNAPKcs antibody (GTX24194) shows detection of a 460 kDa band corresponding to human DNAPKcs in various preparations. Lane 1: Fus1 untreated Lane 2: Fus1 IR (20Gy, 4h) Lane 3: Fus1 DNAPK inhibitor + IR Lane 4: MO59J (DNAPK-) untreated Lane 5: MO59J IR Lane 6: Fus1 untreated Lane 7: Fus1 IR (20Gy, 4h) Lane 8: Fus1 DNAPK inhibitor + IR Lane 9: MO59J untreated Lane 10: MO59J IR. Lanes 1-5 are nuclear extract whereas lanes 6-10 are whole cell lysates. MO59J is a cell line that lacks DNA-PKcs. FUS1 is the matched cell line complemented with a chromosomal fragment containing the DNA-PKcs gene. Approximately 20 µg of lysate was run on SDS-PAGE and transferred onto nitrocellulose, followed by reaction with a 1:1,000 dilution of anti-DNAPKcs antibody. Detection occurred using a 1:5,000 dilution of HRP-labeled Goat anti-Rabbit IgG for 1 hour at room temperature. A chemiluminescence system was used for signal detection (Roche) using a 1 min exposure time.



GTX24194 WB Image

WB analysis of various samples using GTX24194 DNA-PKcs (phospho Thr2609) antibody. Lane 1-5 are nuclear extracts. Lane 6-10 are whole cell lysates
Lane 1 and 6 : Untreated Fus1 whole cell lysates
Lane 2 and 7 : IR-treated Fus1 whole cell lysates
Lane 3 and 8 : IR and DNAPK inhibitor-treated Fus1 whole cell lysates
Lane 4 and 9 : Untreated M059J whole cell lysates
Lane 5 and 10 : IR-treated M059J whole cell lysates
Loading : 20 µg
Dilution : 1:1000



GTX24194 WB Image

WB analysis of various samples using GTX24194 DNA-PKcs (phospho Thr2609) antibody.
Lane 1 : Protein ladder
Lane 2 : DNA Pkc phosphor
Lane 3 : DNA Pkc
Lane 4 : BSA
Loading : 10 µg
Dilution : 1 µg/mL

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