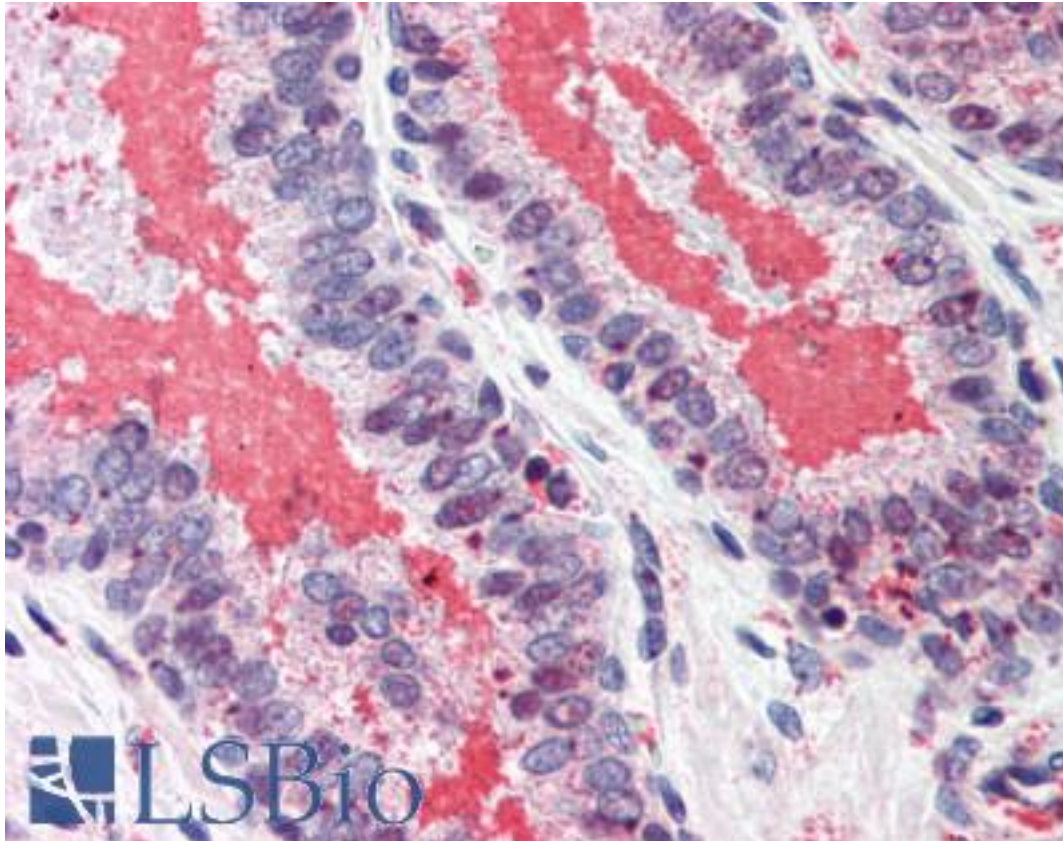


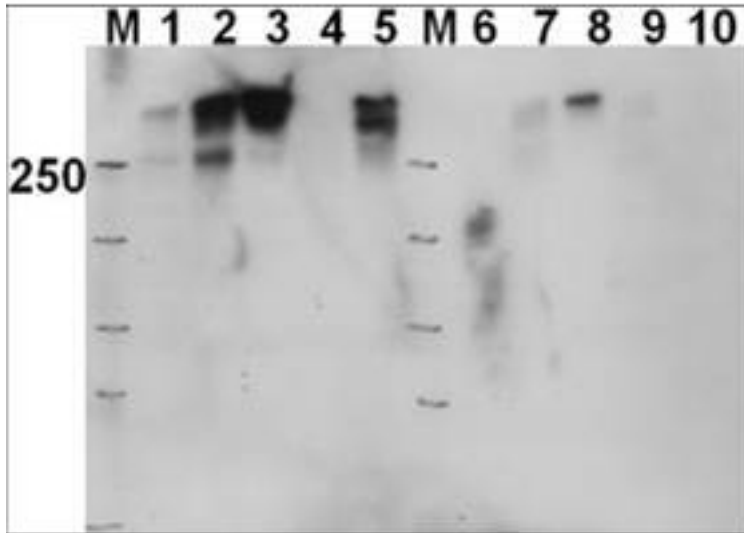
PRKDC / DNA-PKcs Rabbit anti-Human Polyclonal (pThr2609) Antibody - LS-B409 - LSBio	
<b>CatalogID:</b>	LS-B409
<b>Validation:</b>	This antibody replaces catalog number LS-C18951. It has been validated for use in the following assays: IHC.
<b>Target:</b>	protein kinase, DNA-activated, catalytic polypeptide (PRKDC)
<b>Synonyms:</b>	PRKDC Antibody, DNA-PK Antibody, DNAPK Antibody, DNP1 Antibody, HYRC Antibody, HYRC1 Antibody, p350 Antibody, Scid Antibody, XRCC7 Antibody, DNA-PK catalytic subunit Antibody, DNA-PKcs Antibody, p460 Antibody
<b>Family / Subfamily:</b>	Protein Kinase / PI3/PI4
<b>Host</b>	PRKDC antibody was produced in Rabbit
<b>Clonality:</b>	Polyclonal
<b>Immunogen Species:</b>	PRKDC / DNA-PKcs antibody was raised against Human
<b>Antigen Type:</b>	Synthetic peptide
<b>Immunogen:</b>	PRKDC / DNA-PKcs antibody was raised against synthetic peptide from human PRKDC / DNA-PKcs.
<b>Specificity:</b>	aa 2604-2614 of human DNA PKcs.
<b>Epitope:</b>	pThr2609
<b>Reactivity:</b>	Human, Chimpanzee
<b>Purification:</b>	Immunoaffinity purified
<b>Presentation:</b>	0.02 M potassium phosphate, 0.15 M sodium chloride, pH 7.2, 0.01% sodium azide.
<b>Recommended Storage:</b>	Long term: -20°C; Short term: +4°C; Avoid freeze-thaw cycles.
<b>Usage Summary:</b>	Immunohistochemistry: LS-B409 was validated for use in immunohistochemistry on a panel of 21 formalin-fixed, paraffin-embedded (FFPE) human tissues after heat induced antigen retrieval in pH 6.0 citrate buffer. After incubation with the primary antibody, slides were incubated with biotinylated secondary antibody, followed by alkaline phosphatase-streptavidin and chromogen. The stained slides were evaluated by a pathologist to confirm staining specificity. The optimal working concentration for LS-B409 was determined to be 5 ug/ml.
<b>Uses:</b>	IHC - Paraffin (5 µg/ml), Western blot (1:250 - 1:2000), ELISA (1:1000 - 1:5000) (Optimal dilution to be determined by the researcher)
<b>Size:</b>	50 µg
<b>Concentration:</b>	0.95 mg/ml

**Immunohistochemistry Image:**



Anti-DNA-PKcs antibody IHC of human prostate. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody LS-B409 concentration 5 ug/ml.

**Western Blot Image:**



Anti-DNAPKcs Antibody - Western Blot. Western blot of Affinity Purified anti-DNAPKcs antibody shows detection of a 460 kD 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 ug of lysate was run on SDS-PAGE and transferred onto nitrocellulose, followed by reaction with a 1:1000 dilution of anti-DNAPKcs antibody. Detection occurred using a 1:5000 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.

**Requested From:**

Japan

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