

## Anti-DNA-PKcs (Phospho-S2612) Antibody

| Catalog #                | Source  | Reactivity | Applications |
|--------------------------|---|------------|--------------|
| CPA6230                  | Rabbit  | H, M       | WB, IH       |
| <b>Description</b>       | Rabbit polyclonal antibody to DNA-PKcs (Phospho-S2612)  |            |              |
| <b>Immunogen</b>         | KLH-conjugated synthetic phosphopeptide corresponding to residues surrounding S2612 of human DNA-PKcs protein. The exact sequence is proprietary. |            |              |
| <b>Purification</b>      | The antibody was purified by immunogen affinity chromatography.   |            |              |
| <b>Specificity</b>       | Recognizes endogenous levels of DNA-PKcs protein only when phosphorylated at S2612.   |            |              |
| <b>Clonality</b>         | Polyclonal  |            |              |
| <b>Conjugation</b>       |   |            |              |
| <b>Form</b>              | Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.   |            |              |
| <b>Dilution</b>          | WB (1/500 - 1/1000), IH (1/50 - 1/200)  |            |              |
| <b>Gene Symbol</b>       | PRKDC   |            |              |
| <b>Alternative Names</b> | HYRC; HYRC1; DNA-dependent protein kinase catalytic subunit; DNA-PK catalytic subunit; DNA-PKcs; DNPK1; p460                                      |            |              |
| <b>Entrez Gene</b>       | 5591 (Human); 19090 (Mouse)   |            |              |
| <b>SwissProt</b>         | P78527 (Human); P97313 (Mouse)  |            |              |
| <b>Storage/Stability</b> | Shipped at 4°C. Upon delivery aliquot and store at -20°C for one year. Avoid freeze/thaw cycles.  |            |              |

**Application key:** E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, CHIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

**Species reactivity key:** H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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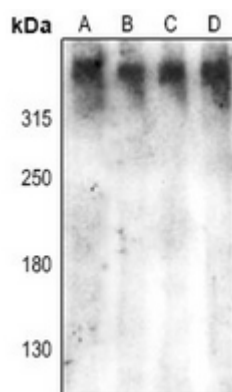
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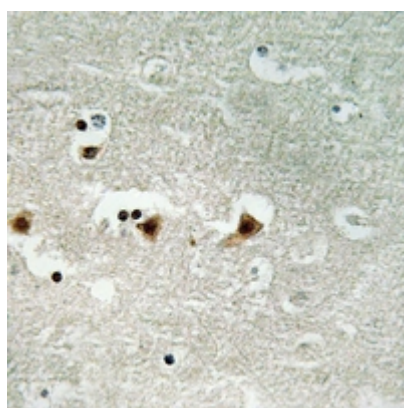
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## Product Data Sheet



Western blot analysis of DNA-PKcs (Phospho-S2612) expression in mouse heart (A), NIH3T3L1 (B), HEK293T (C), SGC7901 (D) whole cell lysates. (Predicted band size: 469 kD; Observed band size: 470 kD)



Immunohistochemical analysis of DNA-PKcs (Phospho-S2612) staining in human brain formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). 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.

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