# Phospho-DNA-PK (Thr2647) Ab

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| Cat.#: AF3360 | Concn.: 1mg/ml | Mol.Wt.: 470kDa |
| Size: 100ul,200ul | Source: Rabbit | Clonality: Polyclonal |

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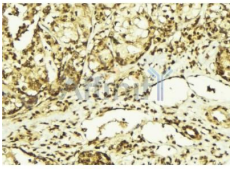
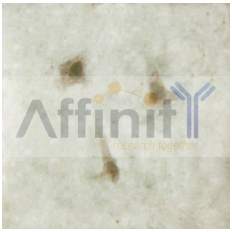
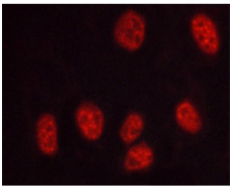
| Application: | IHC 1:50-1:200 IF/ICC 1:100-1:500 |
| Reactivity: | Human |
| Purification: | The Ab is from purified rabbit serum by affinity purification via sequential chromatography on phospho- and non-phospho-peptide affinity columns. |
| Specificity: | Phospho-DNA-PK (Thr2647) Ab detects endogenous levels of DNA-PK only when phosphorylated at Threonine 2647. |
| Immunogen: | A synthesized peptide derived from human DNA-PK around the phosphorylation site of Threonine 2647. |
| Uniprot: | P78527 |
| Description: | The PRKDC gene encodes the catalytic subunit of a nuclear DNA-dependent serine/threonine protein kinase (DNA-PK). The second component is the autoimmune antigen Ku (MIM 152690), which is encoded by the G22P1 gene on chromosome 22q. |
| Subcellular Location: | Nucleus. |
| Similarity: | Belongs to the PI3/PI4-kinase family. |
| Storage Condition and Buffer: | Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt. |



AF3360 at 1/100 staining Human breast cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the Ab for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit Ab was used as the secondary.



AF3360 at 1/100 staining human brain tissues sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the Ab for 1.5 hours at 40°C



AF3360 staining HUVEC cells treated with serum 20% 30' by ICC/IF. Cells were fixed with PFA and permeabilized in 0.1% saponin prior to blocking in 10% serum for 45 minutes at 37°C. The primary Ab was diluted 1/400 and incubated with the sample for 1 hour at 37°C. A  Alexa Fluor 594 conjugated goat polyclonal to rabbit IgG (H+L), diluted 1/600 was used as secondary Ab.

*IMPORTANT:* For western blot, incubate membrane with diluted primary Ab in 5% w/v milk , 1X TBS, 0.1% Tween®20 at 4°C with gentle shaking, overnight.