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Phospho-DNA-PKcs-S2056 Rabbit mAb

Catalog No.: AP1655 Recombinant

Basic Information

Observed MW
450 kDa

Calculated MW
466 kDa/469 kDa

Category
Primary antibody

Applications
WB,IF/ICC,IHC-P,ELISA

Cross-Reactivity
Human, Mouse, Rat

CloneNo number
ARC3882

Background

This gene encodes the catalytic subunit of the DNA-dependent protein kinase (DNA-PK). It functions with the Ku70/Ku80 heterodimer protein in DNA double strand break repair and recombination. The protein encoded is a member of the PI3/PI4-kinase family.

Recommended Dilutions

WB	1:3000 - 1:10000
IF/ICC	1:500 - 1:2000
IHC-P	1:100 - 1:300
ELISA	Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements. For high-ratio antibody dilutions (≥1:10000)，a sequential dilution method is strongly recommended to ensure measurement accuracy.

Immunogen Information

Gene ID
5591

Swiss Prot
P78527

Immunogen
This information is considered to be commercially sensitive.

Synonyms
HYRC; p350; DNAPK; DNPK1; HYRC1; IMD26; S473K; XRCC7; DNAPKc; DNA-PKC; DNA-PKcs

Product Information

Source
Rabbit

Isotype
IgG

Purification
Affinity purification

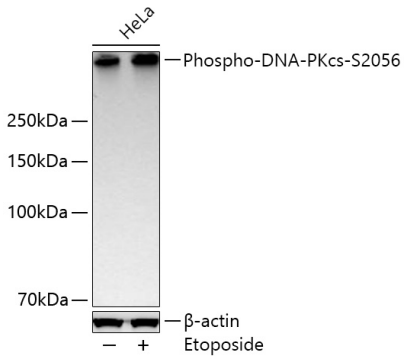
Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.09% Sodium azide,0.05% BSA,50% glycerol,pH7.3.

Contact

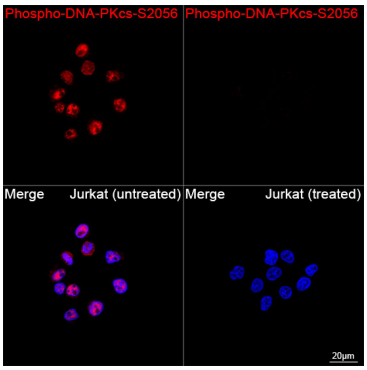
400-999-6126

cn.market@abclonal.com.cn

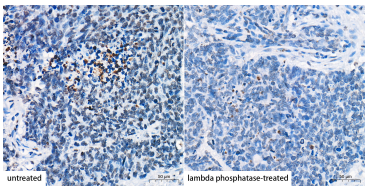
Validation Data



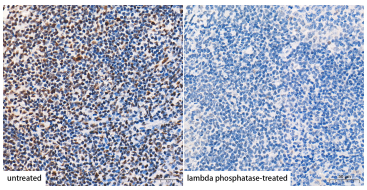
Western blot analysis of lysates from HeLa cells using Phospho-DNA-PKcs-S2056 Rabbit mAb (AP1655) at 1:5000 dilution incubated overnight at 4℃. HeLa cells were treated with Etoposide (25 μM) at 37℃ for 5 hours after serum starvation overnight.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 30 μg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 20 s.



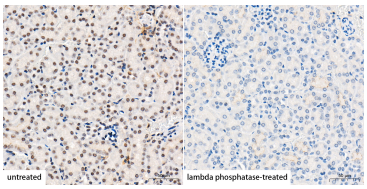
Confocal imaging of Jurkat cells (untreated) and Jurkat cells (treated with λPP) using Phospho-DNA-PKcs-S2056 Rabbit mAb (AP1655, dilution 1:900) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.



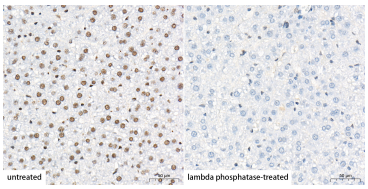
Immunohistochemistry analysis of paraffin-embedded Human lung cancer tissue, untreated (left) and lambda phosphatase-treated (right), using Phospho-DNA-PKcs-S2056 Rabbit mAb (AP1655) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human tonsil tissue, untreated (left) and lambda phosphatase-treated (right), using Phospho-DNA-PKcs-S2056 Rabbit mAb (AP1655) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Mouse kidney tissue, untreated (left) and lambda phosphatase-treated (right), using Phospho-DNA-PKcs-S2056 Rabbit mAb (AP1655) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat liver tissue, untreated (left) and lambda phosphatase-treated (right), using Phospho-DNA-PKcs-S2056 Rabbit mAb (AP1655) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.