

DNA-PKcs Rabbit pAb

Catalog No.: A1419 **3 Publications**

Basic Information

Observed MW

450kDa

Calculated MW

469kDa

Category

Primary antibody

Applications

ELISA, WB, IHC-P

Cross-Reactivity

Human

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	1:500 - 1:1000
IHC-P	1:50 - 1:200

Immunogen Information

Gene ID

5591

Swiss Prot

P78527

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 3993-4128 of human DNA-PKcs (NP_008835.5).

Synonyms

HYRC; p350; DNAPK; DNPK1; HYRC1; IMD26; XRCC7; DNAPKc; DNA-PKc; DNA-PKcs

Contact

 | www.abclonal.com

Product Information

Source

Rabbit

Isotype

IgG

Purification

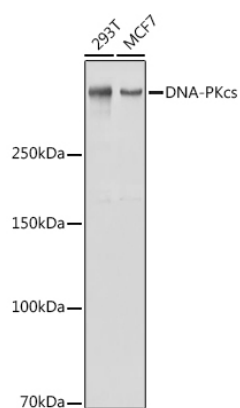
Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.01% thimerosal, 50% glycerol, pH7.3.

Validation Data



Western blot analysis of extracts of various cell lines, using DNA-PKcs antibody (A1419) at 1:1000 dilution.

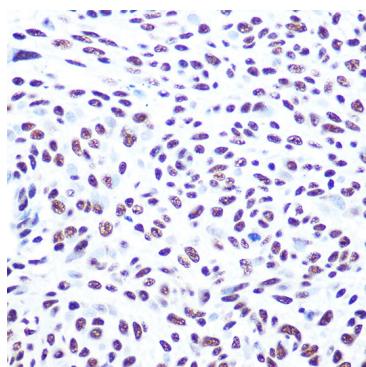
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (A5014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 1s.



Immunohistochemistry analysis of paraffin-embedded human esophageal cancer using DNA-PKcs Rabbit pAb (A1419) at dilution of 1:100 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.