DNA-PKcs Rabbit mAb

Catalog No: #58905

Package Size: #58905-1 50ul #58905-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	DNA-PKcs Rabbit mAb
Host Species	Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Purification	Affinity-chromatography
Applications	WB IHC ICC/IF
Species Reactivity	Human Mouse Rat
Specificity	DNA-PKcs Antibody detects endogenous levels of DNA-PKcs
Immunogen Description	A synthesized peptide derived from human DNA-PKcs
Other Names	DNA-PKcs; DNA-dependent protein kinase catalytic subunit; DNPK1; EC 2.7.11.1; P460; PRKD; PRKDC; XRCC7, kinase DNA PK; DNA PKcs;
Accession No.	Uniprot:P78527
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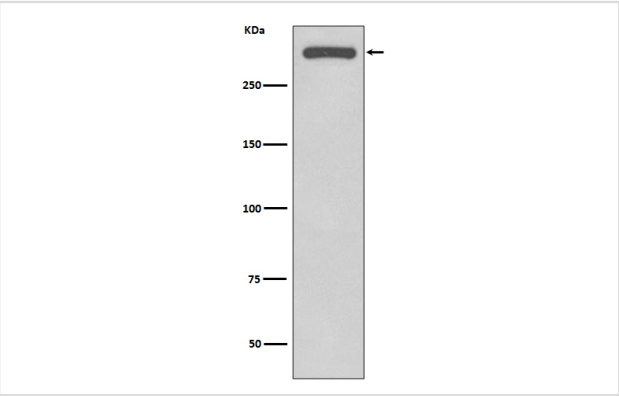
Calculated MW	469kDa
Formulation	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

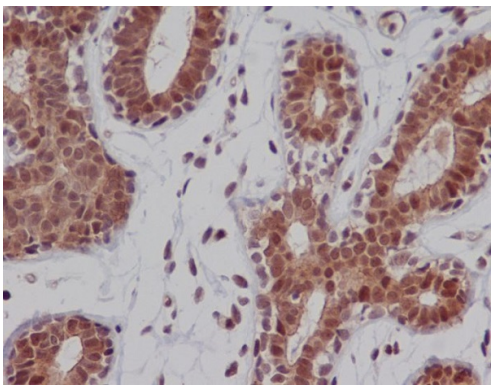
Application Details

WB 1:1000~1:2000 IHC 1:50~1:200 ICC/IF 1:50~1:200

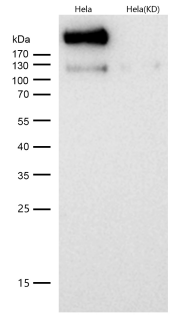
Images



Western blot analysis of DNA-PKcs expression in HeLa cell lysate.



Immunohistochemical analysis of paraffin-embedded human breast, using DNA-PKcs Antibody.



All lanes use the Antibody at 1:1K dilution for 1 hour at room temperature.

Product Description

DNA-dependent protein kinase (DNA-PK) is an important factor in the repair of double-stranded breaks in DNA. Cells lacking DNA-PK or in which DNA-PK is inhibited fail to show proper nonhomologous end-joining (NHEJ). DNA-PK is composed of two DNA-binding subunits (Ku70 and Ku86) and one 450 kDa catalytic subunit (DNA-PKcs). It is thought that a heterodimer of Ku70 and Ku86 binds to double-stranded DNA broken ends before DNA-PKcs binds and is activated.

Background

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Note: This product is for in vitro research use only