Product Datasheet

DNA-PKcs/PRKDC Antibody

Catalog No: #48089

Package Size: #48089-1 50ul #48089-2 100ul

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

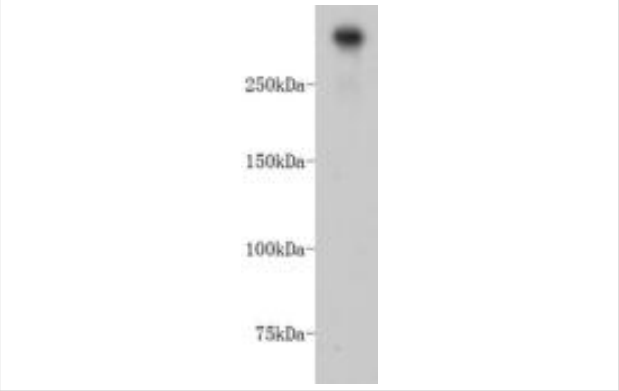
Description

Product Name	DNA-PKcs/PRKDC Antibody
Host Species	Mouse
Clonality	Monoclonal
Clone No.	2-B3
Purification	ProA affinity purified
Applications	WB, ICC, IHC
Species Reactivity	Hu, Ms
Immunogen Description	recombinant protein
Other Names	DNA dependent protein kinase catalytic subunit antibody DNA PK catalytic subunit antibody DNA-dependent protein kinase catalytic subunit antibody DNA-PK catalytic subunit antibody DNA-PKcs antibody DNAPK antibody DNAPK catalytic subunit antibody DNPK 1 antibody DNPK1 antibody Hyper radiosensitivity of murine scid mutation, complementing 1 antibody Hyperradiosensitivity complementing 1, mouse, homolog of 1 antibody HYRC 1 antibody HYRC antibody HYRC1 antibody IMD26 antibody p350 antibody p460 antibody PKRDC antibody PRKDC antibody PRKDC_HUMAN antibody Protein Kinase DNA Activated Catalytic Polypeptide antibody XRCC 7 antibody XRCC7 antibody
Accession No.	Swiss-Prot#:P78527
Calculated MW	o½ 469
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

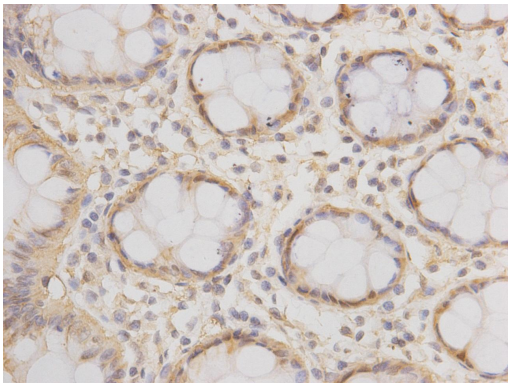
Application Details

WB: 1:1,000IHC: 1:200ICC: 1:100

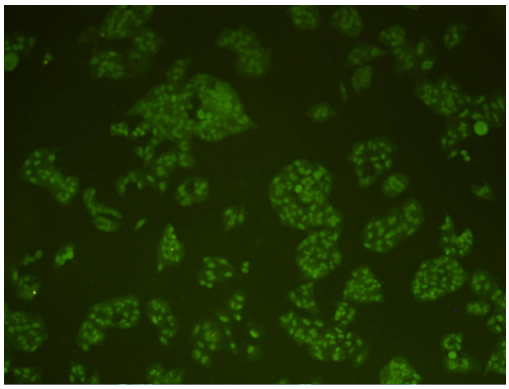
Images



Western blot analysis on HepG2 cell lysates using anti-DNA-PKcs Mouse mAb (Cat. # M1204-6).



Immunohistochemical analysis of paraffin- embedded human breast carcinoma tissue using anti-DNA-PKcs Mouse mAb (Cat.# M1204-6)



Immunofluorescent staining of HepG2 cells using anti-DNA-PKcs Mouse mAb (Cat. # M1204-6).

Background

DNA-activated serine/threonine protein kinase (DNA-PK) is a heterotrimer of PRKDC and the Ku p70-p86 (XRCC6-XRCC5) dimer. DNA-PK is a nuclear protein kinase that is involved in DNA nonhomologous end joining (NHEJ) required for double- strand brake repair and V(D)J recombination.

References

1."Frameshift mutation in PRKDC, the gene for DNA-PKcs, in the DNA repair-defective, human, glioma-derived cell line M059J."Anderson C.W., Dunn J.J., Freimuth P.I., Galloway A.M., Allalunis-Turner M.J.Radiat. Res. 156:2-9(2001) 2."Human DNA-activated protein kinase (DNA-PK) is homologous to phosphatidylinositol kinases."Poltoratsky V.P., Shi X., York J.D., Lieber M.R., Carter T.H.J. Immunol. 155:4529-4533(1995)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.