

Mouse PRKDC Monoclonal Antibody | anti-PRKDC antibody

PRKDC (Protein Kinase, DNA-Activated, Catalytic Polypeptide, DNA-PKcs, DNAPK, DNPK1, HYRC, HYRC1, XRCC7, p350) (PE)

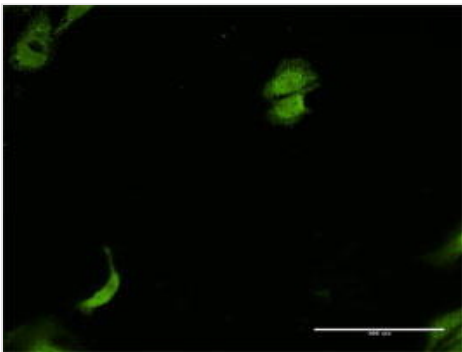
CATALOG # AAA26620	HOST Mouse	APPLICATIONS Immunofluorescence, Immunohistochemistry, Western Blot
------------------------------	----------------------	---

PRODUCT SYNONYMS

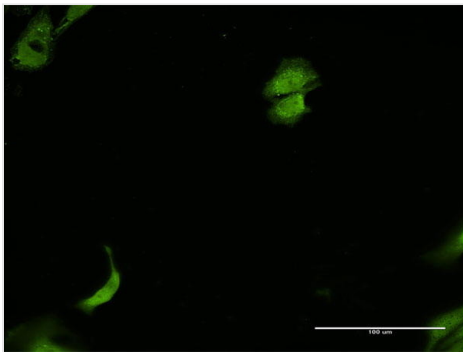
PRKDC; Monoclonal Antibody; PRKDC (Protein Kinase; DNA-Activated; Catalytic Polypeptide; DNA-PKcs; DNAPK; DNPK1; HYRC; HYRC1; XRCC7; p350) (PE); Protein Kinase; p350; anti-PRKDC antibody

PRODUCT SPECIFICATIONS

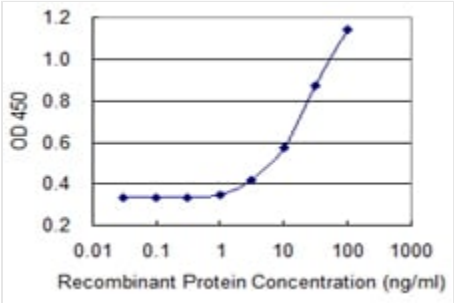
Host	Mouse
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Number	2A8
Specificity	Recognizes PRKDC.
Purity/Purification	Purified
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with R-Phycoerythrin (PE).
Sequence Length	4128
Applicable Applications for anti-PRKDC antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Application Notes	Applications are based on unconjugated antibody.
Immunogen	PRKDC (NP_008835, 4019aa-4128aa) partial recombinant protein with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	KMLKKGGSWIQEINVAEKNWYPRQKICYAKRKLAGANPAVITCDELLLGHEKAPAFRDYVAVARGSKDHNIRAQEPESGLSEETQVKCLMDQATDPNILG
Conjugate	PE
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount for immediate use. Further dilutions can be made in assay buffer. Caution: PE conjugates are sensitive to light. For maximum recovery of product, centrifuge vial prior to removing the cap.



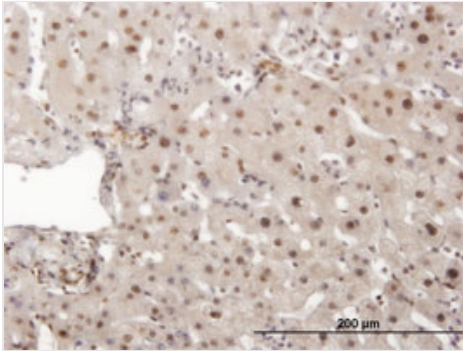
IF (Immunofluorescence)
Immunofluorescence of monoclonal antibody to PRKDC on HeLa cell. [antibody concentration 40 ug/ml]



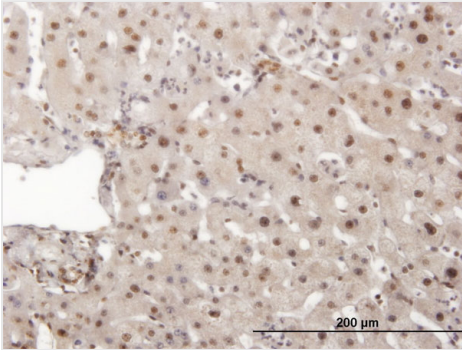
IF (Immunofluorescence)
Immunofluorescence of monoclonal antibody to PRKDC on HeLa cell. [antibody concentration 40 ug/ml]



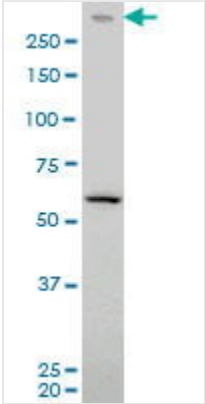
Application Data
Detection limit for recombinant GST tagged PRKDC is 1 ng/ml as a capture antibody.



IHC (Immunohistochemistry)
Immunoperoxidase of monoclonal antibody to PRKDC on formalin-fixed paraffin-embedded human liver. [antibody concentration 3 ug/ml]



IHC (Immunohistochemistry)
Immunoperoxidase of monoclonal antibody to PRKDC on formalin-fixed paraffin-embedded human liver. [antibody concentration 3 ug/ml]



WB (Western Blot)
PRKDC monoclonal antibody (M03), clone 2A8 Western Blot analysis of PRKDC expression in HeLa S3 NE (Cat # L013V3).

ADDITIONAL INFORMATION

Related Product Information for anti-PRKDC antibody	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. On its own, the catalytic subunit of DNA-PK is inactive and relies on the G22P1 component to direct it to the DNA and trigger its kinase activity; PRKDC must be bound to DNA to express its catalytic properties. [supplied by OMIM]
Product Categories/Family for anti-PRKDC antibody	Antibodies; Protein Kinases

NCBI AND UNIPROT INFORMATION

NCBI GI #	13654237
NCBI GeneID	5591
NCBI Accession #	NP_008835
NCBI GenBank Nucleotide #	NP_008835.5
UniProt Accession #	P78527
NCBI Official Full Name	DNA-dependent protein kinase catalytic subunit isoform 1
NCBI Official Synonym Full Names	protein kinase, DNA-activated, catalytic subunit
NCBI Official Symbol	PRKDC
NCBI Official Synonym Symbols	HYRC; p350; DNAPK; DNPk1; HYRC1; IMD26; XRCC7; DNAPKc; DNA-PKC; DNA-PKcs
NCBI Protein Information	DNA-dependent protein kinase catalytic subunit
UniProt Protein Name	DNA-dependent protein kinase catalytic subunit
UniProt Gene Name	PRKDC
UniProt Synonym Gene Names	HYRC; HYRC1; DNA-PK catalytic subunit; DNA-PKcs
UniProt Entry Name	PRKDC_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/monoclonal/prkdc-antibody-clone-2a8-immunofluorescence-immunohistochemistry-western-blot-elisa/26620>