

Mouse Monoclonal Antibody to PRKDC

Catalogue Number	sAP-0522
Target Molecule	<p>Name: PRKDC</p> <p>Aliases: HYRC; p350; DNAPK; DNP1; HYRC1; XRCC7; DNA-PKcs; PRKDC</p> <p>MW: 46.9kDa</p> <p>Entrez Gene ID: 5591</p>
Description	<p>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.</p>
Immunogen	Purified recombinant fragment of human PRKDC expressed in E. Coli.
Reactive Species	Human
Clone	MM3H6;
Size and Concentration	100µg/1mg/ml
Supplied as	Lyophilized Powder from 100µl of Ascitic fluid containing 0.03% sodium azide.
Reconstitution/Storages	Reconstituted with 100µl sterile DI H ₂ O, at stored at 4°C or -20°C for short or long term storage
Applications	ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000; IHC: 1 to 200 - 1 to 1000; ICC: 1 to 200 - 1 to 1000
Shipping	Regular FEDEX overnight shipment (ambient temperature)
Reference	1. J Biol Chem. 2008 Dec 26;283(52):36311-20. ; 2. Proc Natl Acad Sci U S A. 2008 Sep 2;105(35):12791-6.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**