

Product datasheet for **SP1136**

DNA PKcs (PRKDC) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	EMSA, IP, WB
Recommended Dilution:	Western Blot: 1/2000. Immunoprecipitation. Gel Super Shift Assays. Immunohistochemistry on paraffin sections: 1:100; this product requires heat mediated treatment of paraffin sections; we recommend the use of antigen unmasking fluid for this purpose; a two hour incubation with SP1136 is recommended.
Reactivity:	Hamster, Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Human DNA-PKcs fragment
Specificity:	This antibody has a strong reactivity with DNA-PKcs.
Formulation:	State: Serum State: Liquid serum containing 0.09% Sodium Azide
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	protein kinase, DNA-activated, catalytic polypeptide
Database Link:	Entrez Gene 5591 Human P78527
Background:	DNA PK is the key component of the non-homologous end-joining (NHEJ) pathway of DSB repair in mammalian cells. DNA PK consists of a heterodimeric DNA-binding subunit (Ku70/80) and an approximately 465 kDa catalytic subunit (DNA PKcs). DNA PKcs is a serine/threonine protein kinase whose activity is greatly stimulated by its recruitment to DNA breaks by the Ku heterodimer.
Synonyms:	DNPK1, p460, HYRC, HYRC1



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