Product name:	Ku70 (7B1) Mouse Monoclonal Antibody
Cat number:	MABN03519
Conjugate:	Unconjugated
Size:	100µL
Clone:	Monoclonal
Concentration:	1mg/ml
Host:	Mouse
Isotype:	IgG1
Immunogen:	A synthetic peptide of human Ku70
Reactivity:	Human,Monkey
Applications:	WB 1:500-1:1000,ICC/IF 1:50-1:200,IP 1:20-1:50,ChIP 1:20
Molecular Weight:	Calculated MW: 70 kDa; Observed MW: 67 kDa
Purification:	Affinity Purification
Form:	Liquid
Buffer:	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.
Storage:	Store at 4°C short term. Aliquot and store at -20°C for 12 months. Avoid freeze/thaw cycles.
Background:	It works in the 3'-5' direction. Binding to DNA may be mediated by XRCC6. Involved in DNA non-homologous end joining (NHEJ) required for double-strand break repair and V(D)J recombination. The XRCC5/6 dimer acts as regulatory subunit of the DNA-dependent protein kinase complex DNA-PK by increasing the affinity of the catalytic subunit PRKDC to DNA by 100-fold. The XRCC5/6 dimer is probably involved in stabilizing broken DNA ends and bringing them together.