XLF Mouse mAb

Catalog No	YP-mAb-18694
Isotype	IgG
Reactivity	Human, Mouse, Rat
Applications	WB
Gene Name	NHEJ1 XLF
Protein Name	Non-homologous end-joining factor 1 (Protein cernunnos) (XRCC4-like factor)
Immunogen	Synthesized peptide derived from human XLF
Specificity	This antibody detects endogenous levels of XLF at Human, Mouse,Rat
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	33kD
Cell Pathway	Nucleus . Chromosome . Localizes to site of double-strand breaks; recruitment is dependent on XRCC5-XRCC6 (Ku) heterodimer. .
Tissue Specificity	Ubiquitously expressed.
Function	DNA repair protein involved in DNA non-homologous end joining (NHEJ); required for double-strand break (DSB) repair and V(D)J recombination . Plays a key role in NHEJ by promoting the ligation of various mismatched and non-cohesive ends . Together with PAXX, collaborates with DNA polymerase lambda (POLL) to promote joining of non-cohesive DNA ends . May act in concert with XRCC5-XRCC6 (Ku) to stimulate XRCC4-mediated joining of blunt ends and several types of mismatched ends that are non-complementary or partially complementary . Associates with XRCC4 to form alternating helical filaments that bridge DNA and act like a bandage, holding together the broken DNA until it is repaired . The XRCC4-NHEJ1/XLF subcomplex binds to the DNA fragments of a DSB in a highly diffusive manner and robustly bridges two independent DNA molecules, holding the broken DNA fragments in close proximity to one other . The mobility of the bridges ensures that the ends remain accessible for further processing by other repair factors . Binds DNA in a length-dependent manner .

Background	
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

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