



C9orf142 Mouse mAb

Catalog No	YP-mAb-19158
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	C9orf142
Immunogen	Synthesized peptide derived from human C9orf142
Specificity	This antibody detects endogenous levels of C9orf142 at Human, Mouse
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal,Mouse,IgG
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	C9orf142;Chromosome 9 open reading frame 142;CI142_HUMAN;PAXX;Uncharacterized protein C9orf142;XLS
Observed Band	
Calculated Molecular Weight	21kDa; 22kD(Calculated).
Cell Pathway	Nucleus . Chromosome . Predominantly localizes to the nucleus. Accumulates at sites of DNA damage generated by laser microirradiation. .; Cytoplasm . (Microbial infection) Upon infection by herpesvirus 1 (HSV-1), it is partially translocated into the cytoplasm in an HSV-1-dependent manner. .
Tissue Specificity	
Function	Non-essential DNA repair protein involved in DNA non-homologous end joining (NHEJ); participates in double-strand break (DSB) repair and V(D)J recombination . May act as a scaffold required for accumulation of the Ku heterodimer, composed of XRCC5/Ku80 and XRCC6/Ku70, at double-strand break sites and promote the assembly and/or stability of the NHEJ machinery . Involved in NHEJ by promoting the ligation of blunt-ended DNA ends . Together with NHEJ1/XLF, collaborates with DNA polymerase lambda (POL) to promote joining of non-cohesive DNA ends . Constitutes a non-essential component of classical NHEJ: has a complementary but distinct function with NHEJ1/XLF in



DNA repair . Able to restrict infection by herpesvirus 1 (HSV-1) via an unknown mechanism .

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.

Products Images