



C1orf51 Mouse mAb

Catalog No	YP-mAb-18903
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	C1orf51
Immunogen	Synthesized peptide derived from human C1orf51
Specificity	This antibody detects endogenous levels of C1orf51 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	C1orf51;Uncharacterized protein C1orf51
Observed Band	42kD
Calculated Molecular Weight	42kD
Cell Pathway	
Tissue Specificity	
Function	Nucleus . Nucleus, PML body . Co-localizes with the CLOCK-ARNTL/BMAL1 heterodimer in the PML body. .
Background	Transcriptional repressor which forms a negative regulatory component of the circadian clock and acts independently of the circadian transcriptional repressors: CRY1, CRY2 and BHLHE41. In a histone deacetylase-dependent manner represses the transcriptional activator activity of the CLOCK-ARNTL/BMAL1 heterodimer. Abrogates the interaction of ARNTL/BMAL1 with the transcriptional coactivator CREBBP and can repress the histone acetyltransferase activity of the CLOCK-ARNTL/BMAL1 heterodimer, reducing histone acetylation of its target genes. Rhythmically binds the E-box elements (5'-CACGTG-3') on circadian gene promoters and its occupancy shows circadian



oscillation antiphasic to ARNTL/BMAL1. Interacts with the glucocorticoid receptor (NR3C1) and contributes to the repressive function in the glucocorticoid response (By similarity).

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