PELO Mouse mAb

Catalog No	YP-mAb-18415
Isotype	IgG
Reactivity	Human,Mouse,Rat
Applications	WB
Gene Name	PELO CGI-17
Protein Name	Protein pelota homolog (EC 3.1.-.-)
Immunogen	Synthesized peptide derived from human PELO
Specificity	This antibody detects endogenous levels of PELO 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	42kD
Cell Pathway	Nucleus . Cytoplasm .
Tissue Specificity	Ubiquitously expressed.
Function	Cotranslational quality control factor involved in the No-Go Decay (NGD) pathway . In the presence of ABCE1 and HBS1L, is required for 48S complex formation from 80S ribosomes and dissociation of vacant 80S ribosomes . Together with HBS1L and in presence of ABCE1, recognizes stalled ribosomes and promotes dissociation of elongation complexes assembled on non-stop mRNAs; this triggers endonucleolytic cleavage of the mRNA, a mechanism to release non-functional ribosomes and to degrade damaged mRNAs as part of the No-Go Decay (NGD) pathway . As part of the PINK1-regulated signaling, upon mitochondrial damage is recruited to the ribosome/mRNA-ribonucleoprotein complex associated to mitochondrial outer membrane thereby enabling the recruitment of autophagy receptors and induction of mitophagy .
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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