



USP52 Mouse mAb

Catalog No	YP-mAb-19169
Isotype	IgG
Reactivity	Human,Mouse,Rat
Applications	WB
Gene Name	PAN2 KIAA0710 USP52
Protein Name	PAB-dependent poly(A)-specific ribonuclease subunit 2 (hPan2) (Inactive ubiquitin carboxyl-terminal hydrolase 52)
Immunogen	Synthesized peptide derived from human PAN2
Specificity	This antibody detects endogenous levels of PAN2 at Human, Mouse,Rat
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	
Observed Band	
Calculated Molecular Weight	132kD
Cell Pathway	Cytoplasm . Cytoplasm, P-body . Nucleus . Shuttles between nucleus and cytoplasm. .
Tissue Specificity	
Function	Catalytic subunit of the poly(A)-nuclease (PAN) deadenylation complex, one of two cytoplasmic mRNA deadenylases involved in general and miRNA-mediated mRNA turnover. PAN specifically shortens poly(A) tails of RNA and the activity is stimulated by poly(A)-binding protein (PABP). PAN deadenylation is followed by rapid degradation of the shortened mRNA tails by the CCR4-NOT complex. Deadenylated mRNAs are then degraded by two alternative mechanisms, namely exosome-mediated 3'-5' exonucleolytic degradation, or deadenylation-dependent mRNA decapping and subsequent 5'-3' exonucleolytic degradation by XRN1. Also acts as an important regulator of the HIF1A-mediated hypoxic response. Required for HIF1A mRNA stability independent of poly(A) tail length regulation.
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