



USP52 Rabbit pAb

Catalog No	YP-Ab-19169
Isotype	IgG
Reactivity	Human,Mouse,Rat
Applications	WB
Gene Name	PAN2 KIAA0710 USP52
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	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit 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	PAN2 KIAA0710 USP52;PAB-dependent poly(A)-specific ribonuclease subunit 2 (hPan2) (Inactive ubiquitin carboxyl-terminal hydrolase 52)
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. Deadenylation 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