

## PAN2 Rabbit pAb

CatalogNo: YN6014

### Key Features

#### Host Species

- Rabbit

#### Reactivity

- Human, Mouse, Rat

#### Applications

- WB

#### MW

- 132kD (Calculated)

#### Isotype

- IgG

### Recommended Dilution Ratios

WB 1:500-2000

### Storage

#### Storage\*

-15°C to -25°C/1 year(Do not lower than -25°C)

#### Formulation

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

### Basic Information

#### Clonality

Polyclonal

### Immunogen Information

#### Immunogen

Synthesized peptide derived from human PAN2

#### Specificity

This antibody detects endogenous levels of PAN2 at Human, Mouse, Rat

### Target Information

#### Gene name

PAN2 KIAA0710 USP52

**Protein Name** PAB-dependent poly(A)-specific ribonuclease subunit 2 (hPan2) (Inactive ubiquitin carboxyl-terminal hydrolase 52)

Organism	Gene ID	UniProt ID
Human	<a href="#">9924</a> ;	<a href="#">Q504Q3</a> ;
Mouse	<a href="#">103135</a> ;	<a href="#">Q8BGF7</a> ;
Rat	<a href="#">408200</a> ;	<a href="#">Q6IE70</a> ;

**Cellular Localization** Cytoplasm . Cytoplasm, P-body . Nucleus . Shuttles between nucleus and cytoplasm. .

**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.

## Validation Data

## Contact information

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**PAN2 Rabbit pAb**

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