EXOSC7 Rabbit pAb

CatalogNo: YN8199

Key Features

Host Species
- Rabbit

Reactivity
- Human,Mouse

Applications
- WB

MW
- 32kD (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 EXOSC7
Specificity	This antibody detects endogenous levels of EXOSC7 at Human, Mouse

Target Information

Gene name	EXOSC7 KIAA0116 RRP42

Protein Name Exosome complex component RRP42 (Exosome component 7) (Ribosomal RNA-processing protein 42) (p8)

Organism	Gene ID	UniProt ID
Human	23016;	Q15024;
Mouse	66446;	Q9D0M0;

Cellular Localization Nucleus, nucleolus . Cytoplasm . Nucleus .

Function Non-catalytic component of the RNA exosome complex which has 3'->5' exoribonuclease activity and participates in a multitude of cellular RNA processing and degradation events. In the nucleus, the RNA exosome complex is involved in proper maturation of stable RNA species such as rRNA, snRNA and snoRNA, in the elimination of RNA processing by-products and non-coding 'pervasive' transcripts, such as antisense RNA species and promoter-upstream transcripts (PROMPTs), and of mRNAs with processing defects, thereby limiting or excluding their export to the cytoplasm. The RNA exosome may be involved in Ig class switch recombination (CSR) and/or Ig variable region somatic hypermutation (SHM) by targeting AICDA deamination activity to transcribed dsDNA substrates. In the cytoplasm, the RNA exosome complex is involved in general mRNA turnover and specifically degrades inherently unstable mRNAs containing AU-rich elements (AREs) within their 3' untranslated regions, and in RNA surveillance pathways, preventing translation of aberrant mRNAs. It seems to be involved in degradation of histone mRNA. The catalytic inactive RNA exosome core complex of 9 subunits (Exo-9) is proposed to play a pivotal role in the binding and presentation of RNA for ribonucleolysis, and to serve as a scaffold for the association with catalytic subunits and accessory proteins or complexes.

Validation Data

Contact information

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Please scan the QR code to access additional product information:
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