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Datasheet for ABIN7152284

anti-EXOSC1 antibody (AA 9-195) (HRP)

Overview

| | |
|----------------------|---|
| Quantity: | 100 µg |
| Target: | EXOSC1 |
| Binding Specificity: | AA 9-195 |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This EXOSC1 antibody is conjugated to HRP |
| Application: | ELISA |

Product Details

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|-------------------|--|
| Immunogen: | Recombinant Human Exosome complex component CSL4 protein (9-195AA) |
| Isotype: | IgG |
| Cross-Reactivity: | Human |
| Purification: | >95%, Protein G purified |

Target Details

| | |
|-------------------|--|
| Target: | EXOSC1 |
| Alternative Name: | EXOSC1 (EXOSC1 Products) |
| Background: | Background: Non-catalytic component of the RNA exosome complex which has 3'→5' exoribonuclease activity and participates in a multitude of cellular RNA processing and |

Target Details

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. EXOSC1 as peripheral part of the Exo-9 complex stabilizes the hexameric ring of RNase PH-domain subunits through contacts with EXOSC6 and EXOSC8.

Aliases: 3'-5' exoribonuclease CSL4 homolog antibody, CGI 108 antibody, CGI-108 antibody, CSL4 antibody, CSL4 exosomal core protein homolog antibody, CSL4, S. cerevisiae, homolog of antibody, Csl4p antibody, EXOS1_HUMAN antibody, Exosc1 antibody, Exosomal core protein CSL4 antibody, Exosome complex component csl4 antibody, Exosome component 1 antibody, hCsl4p antibody, Homolog of yeast exosomal core protein CSL4 antibody, p13 antibody, RP11-452K12.9 antibody, SKI4 antibody, Ski4p antibody

UniProt: [Q9Y3B2](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

Preservative: ProClin

Handling

| | |
|--------------------|---|
| Precaution of Use: | This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage: | -20 °C,-80 °C |
| Storage Comment: | Upon receipt, store at -20°C or -80°C. Avoid repeated freeze. |