

Datasheet for ABIN7247624

anti-EXOSC4 antibody

2 Images

[Go to Product page](#)

Overview

| | |
|--------------|--|
| Quantity: | 200 µL |
| Target: | EXOSC4 |
| Reactivity: | Human, Mouse |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This EXOSC4 antibody is un-conjugated |
| Application: | Western Blotting (WB), ELISA, Immunohistochemistry (IHC) |

Product Details

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| Immunogen: | Fusion protein of human EXOSC4 |
| Isotype: | IgG |
| Characteristics: | Polyclonal Antibody |
| Purification: | Antigen affinity purification |

Target Details

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|-------------------|--|
| Target: | EXOSC4 |
| Alternative Name: | EXOSC4 (EXOSC4 Products) |
| 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 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- |

Target Details

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. EXOSC4 binds to ARE-containing RNAs.

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| Molecular Weight: | Observed_MW: Refer to figures Calculated_MW: 26 kDa |
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| UniProt: | Q9NPD3 |
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Application Details

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| Application Notes: | WB 1:500-1:2000, IHC 1:50-1:200, ELISA 1:5000-1:10000 |
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| Restrictions: | For Research Use only |
|---------------|-----------------------|

Handling

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|---------|--------|
| Format: | Liquid |
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| Concentration: | 0.84 mg/mL |
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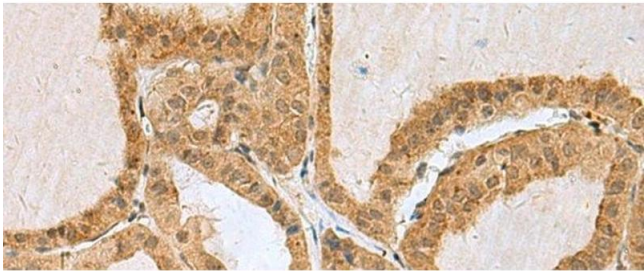
| | |
|---------|--|
| Buffer: | PBS with 0.05 % Sodium azide and 40 % Glycerol, pH 7.4 |
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|---------------|--------------|
| Preservative: | Sodium azide |
|---------------|--------------|

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| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
|--------------------|--|

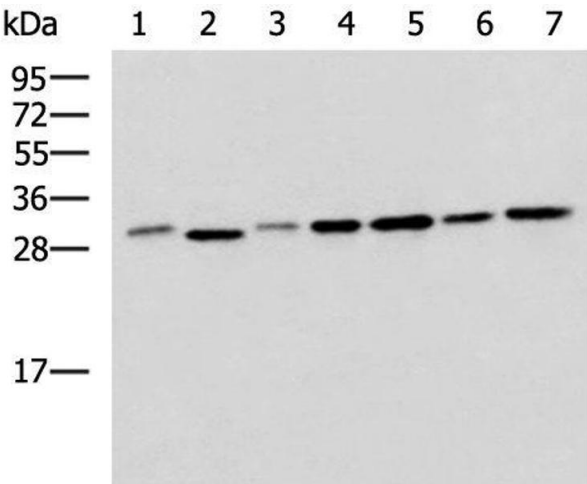
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| Storage: | -20 °C |
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| Storage Comment: | Store at -20°C. Avoid freeze / thaw cycles. |
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Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using EXOSC4 Polyclonal Antibody at dilution of 1:50(x200)



Western Blotting

Image 2. Western blot analysis of 293T LO2 Hela and Jurkat cell lysates using EXOSC4 Polyclonal Antibody at dilution of 1:650