10320 Camino Santa Fe, Suite G
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Anti-EXOSC7 Rabbit Monoclonal Antibody
Catalog # ABO16088

Specification

Anti-EXOSC7 Rabbit Monoclonal Antibody - Product Information

Application	**WB, IF, ICC**
Primary Accession	Q15024
Host	**Rabbit**
Isotype	**IgG**
Reactivity	**Human**
Clonality	**Monoclonal**
Format	**Liquid**

Description
Anti-EXOSC7 Rabbit Monoclonal Antibody . Tested in WB, ICC/IF applications. This antibody reacts with Human.

Anti-EXOSC7 Rabbit Monoclonal Antibody - Additional Information

Gene ID 23016

Other Names
Exosome complex component RRP42, Exosome component 7, Ribosomal RNA-processing protein 42, p8, EXOSC7, KIAA0116, RRP42

Calculated MW
32 kDa KDa

Application Details
WB 1:500-1:2000
ICC/IF 1:50-1:200

Contents
Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

Immunogen
A synthesized peptide derived from EXOSC7

Purification
Affinity-chromatography

Storage	**Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.**

Anti-EXOSC7 Rabbit Monoclonal Antibody - Protein Information

Name EXOSC7

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Synonyms KIAA0116, RRP42

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.

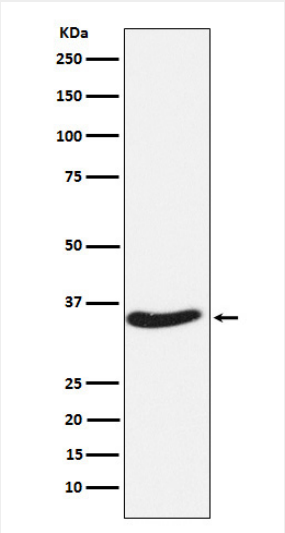
Cellular Location
Nucleus, nucleolus. Cytoplasm. Nucleus

Anti-EXOSC7 Rabbit Monoclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-EXOSC7 Rabbit Monoclonal Antibody - Images



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Western blot analysis of EXOSC7 expression in HeLa cell lysate.