

Exosome Component 9 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP55669

Specification

Exosome Component 9 Polyclonal Antibody - Product Information

Application Primary Accession Reactivity Host

Clonality Calculated MW IHC-P, IHC-F, IF, ICC

006265

Rat, Pig, Bovine

Rabbit Polyclonal 48949

Exosome Component 9 Polyclonal Antibody - Additional Information

Gene ID 5393

Other Names

Exosome complex component RRP45, Autoantigen PM/Scl 1, Exosome component 9, P75 polymyositis-scleroderma overlap syndrome-associated autoantigen, Polymyositis/scleroderma autoantigen 1, Polymyositis/scleroderma autoantigen 75 kDa, PM/Scl-75, EXOSC9, PMSCL1

Dilution

IHC-P~~N/A<br \><span class</pre> ="dilution IHC-F">IHC-F~~N/A<br \>IF~~1:50~200<br \>ICC~~N/A

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

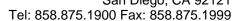
Exosome Component 9 Polyclonal Antibody - Protein Information

Name EXOSC9

Synonyms PMSCL1

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. EXOSC9 binds to ARE-containing RNAs.

Cellular Location

Cytoplasm. Nucleus. Nucleus, nucleolus. Nucleus, nucleoplasm. Note=Colocalizes with SETX in nuclear foci upon induction of transcription-related DNA damage at the S phase (PubMed:24105744). [Isoform 2]: Nucleus, nucleolus.

Exosome Component 9 Polyclonal Antibody - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Exosome Component 9 Polyclonal Antibody - Images