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Datasheet for ABIN7152303
anti-EXOSC1 antibody (AA 587-762) (FITC)

Overview

Quantity:	100 µg
Target:	EXOSC1
Binding Specificity:	AA 587-762
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This EXOSC1 antibody is conjugated to FITC
Application:	Please inquire

Product Details

Immunogen:	Recombinant Human Exosome component 10 protein (587-762AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	EXOSC1
Alternative Name:	EXOSC1 (EXOSC1 Products)
Background:	Background: Putative 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. EXOSC10 has 3\'-5\' exonuclease activity (By similarity). EXOSC10 is required for nucleolar localization of C1D and probably mediates the association of SKIV2L2, C1D and MPP6 with the RNA exosome involved in the maturation of 5.8S rRNA.

Aliases: Autoantigen PM/Scl 2 antibody, Exosc10 antibody, Exosome component 10 antibody, EXOSX_HUMAN antibody, P100 polymyositis scleroderma overlap syndrome associated autoantigen antibody, P100 polymyositis-scleroderma overlap syndrome-associated autoantigen antibody, p2 antibody, p3 antibody, p4 antibody, PM Scl antibody, PM/Scl 100 antibody, PM/Scl-100 antibody, PMSCL antibody, PMSCL2 antibody, Polymyositis/scleroderma autoantigen 100 kDa antibody, Polymyositis/scleroderma autoantigen 2 100 kDa antibody, Polymyositis/scleroderma autoantigen 2 antibody, RRP6 antibody, Rrp6p antibody

UniProt: [Q01780](#)

Application Details

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

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

Handling

Storage: -20 °C, -80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.