

Datasheet for ABIN7152301

anti-EXOSC1 antibody (AA 587-762)[Go to Product page](#)**1** Image

Overview

| | |
|----------------------|---------------------------------------|
| Quantity: | 100 µg |
| Target: | EXOSC1 |
| Binding Specificity: | AA 587-762 |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This EXOSC1 antibody is un-conjugated |
| Application: | ELISA, Immunohistochemistry (IHC) |

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

Application Notes: Recommended dilution: IHC:1:200-1:500,

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

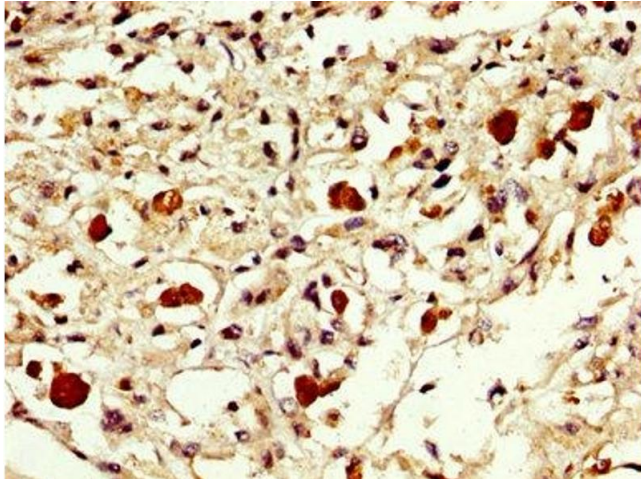
Handling

handled by trained staff only.

Storage: -20 °C, -80 °C

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

Images



Immunohistochemistry

Image 1. IHC image of ABIN7152301 diluted at 1:300 and staining in paraffin-embedded human melanoma performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10 % normal goat serum 30 min at RT. Then primary antibody (1 % BSA) was incubated at 4 °C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.