

Datasheet for ABIN7267062
anti-EXOSC10 antibody (AA 586-885)[Go to Product page](#)

2 Images

Overview

Quantity:	100 µL
Target:	EXOSC10
Binding Specificity:	AA 586-885
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This EXOSC10 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	EXOSC10 Rabbit pAb
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 586-885 of human EXOSC10 (NP_001001998.1).
Sequence:	VAAGVKKSGP LPSAERLENV LFGPHDCSHA PPDGYPIIPT SGSPVPVQKQA SLFPDEKEDN LLGTTCLIAT AVITLFNEPS AEDSKKGPLT VAQKKAQNIM ESFENPFRMF LPSLGHRAPV SQAAKFDPST KIYEISNRWK LAQVQVQKDS KEAVKKKAAE QTAAREQAKE ACKAAAEQAI SVRQQVVLEN AAKKRERATS DPRTEQKQE KKRLKISKKP KDPEPPEKEF TPYDYSQSDF KAFAGNSKSK VSSQFDPNKQ TPSGKKCIAA KLIKQSVGNK SMSFPTGKSD RGFYRNWPQR
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies

Product Details

Purification: Affinity purification

Target Details

Target: EXOSC10

Alternative Name: EXOSC10 ([EXOSC10 Products](#))

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 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 MTREX, C1D and MPHOSPH6 with the RNA exosome involved in the maturation of 5.8S rRNA.,EXOSC10,PM-ScI,PM/ScI-100,PMSCL,PMSCL2,RRP6,Rrp6p,p2,p3,p4,Epigenetics & Nuclear Signaling,RNA Binding,Immunology & Inflammation,EXOSC10

Molecular Weight: 98kDa/100kDa

Gene ID: 5394

UniProt: [Q01780](#)

Application Details

Application Notes: WB,1:500 - 1:2000

Restrictions: For Research Use only

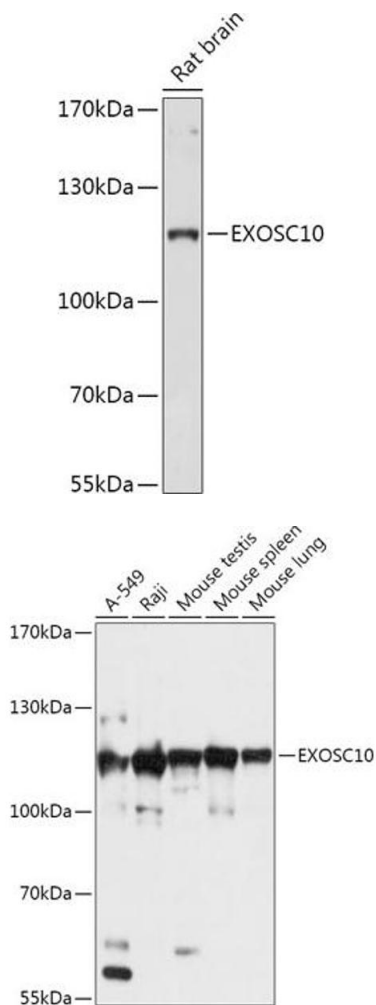
Handling

Format: Liquid

Handling

Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.

Images



Western Blotting

Image 1. Western blot analysis of extracts of Rat brain, using EXOSC10 antibody (ABIN7267062) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 30s.

Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using EXOSC10 antibody (ABIN7267062) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 10s.