


## Product datasheet

# Anti-EXOSC10/RRP6 antibody ab50558

★★★★★ [2 Abreviews](#) [25 References](#) [1 Image](#)

### Overview

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<b>Product name</b>	Anti-EXOSC10/RRP6 antibody
<b>Description</b>	Rabbit polyclonal to EXOSC10/RRP6
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB
<b>Species reactivity</b>	<b>Reacts with:</b> Human <b>Predicted to work with:</b> Xenopus laevis, Pufferfish, Zebrafish, Cynomolgus monkey 
<b>Immunogen</b>	Synthetic peptide corresponding to EXOSC10/RRP6 aa 231-245 (internal sequence) conjugated to keyhole limpet haemocyanin (Cysteine residue). Sequence: LDVPPALADFIHQQR-C

 [Run BLAST with](#)

 [Run BLAST with](#)

### General notes

The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.

If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

### Properties

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<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term.
<b>Storage buffer</b>	pH: 7.40 Preservative: 0.097% Sodium azide Constituent: 0.0268% PBS
<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

## Applications

**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab50558 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB	★★★★★ (1)	Use a concentration of 1 - 2 µg/ml. Detects a band of approximately 101 kDa (predicted molecular weight: 101 kDa). Minor additional bands may be detected in some cell preparations.

## Target

### Function

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 SKIV2L2, C1D and MPP6 with the RNA exosome involved in the maturation of 5.8S rRNA.

### Sequence similarities

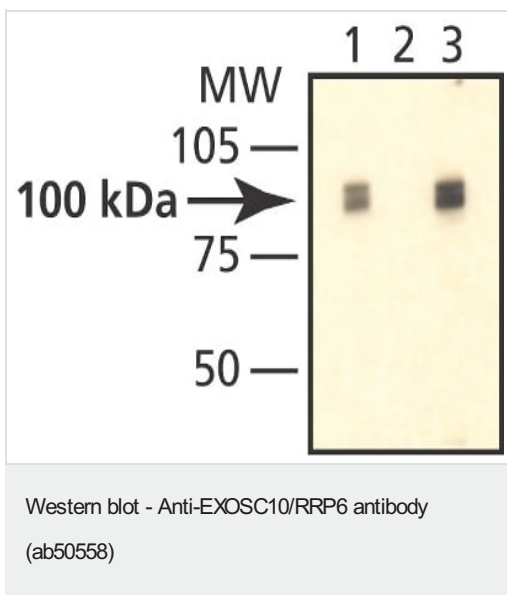
Contains 1 3'-5' exonuclease domain.

Contains 1 HRDC domain.

### Cellular localization

Cytoplasm. Nucleus, nucleolus. Nucleus. Strongly enriched in the nucleolus and a small amount has been found in cytoplasm supporting the existence of a nucleolar RNA exosome complex form.

## Images



**Lanes 1-2 :** Anti-EXOSC10/RRP6 antibody (ab50558) at 1 µg/ml

**Lane 3 :** Anti-EXOSC10/RRP6 antibody (ab50558) at 2 µg/ml

**Lanes 1 & 3 :** HeLa nuclear extract

**Lane 2 :** HeLa nuclear extract with PM/Sc1-100 peptide

#### Secondary

**All lanes :** Goat Anti-Rabbit IgG, Peroxidase conjugate with a chemiluminescent substrate.

**Predicted band size:** 101 kDa

**Observed band size:** 101 kDa

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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