

Datasheet for ABIN6140378  
**anti-EXOSC4 antibody (AA 1-245)**



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1 Image

## Overview

Quantity:	100 µL
Target:	EXOSC4
Binding Specificity:	AA 1-245
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This EXOSC4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

## Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-245 of human EXOSC4 (NP_061910.1).
Sequence:	MAGLELLSDQ GYRVDGRRAG ELRKIQARMG VFAQADGSAY IEQGNTKALA VVYGPHEIRG SRARALPDRA LVNCQYSSAT FSTGERKRRP HGDRKSCEMG LQLRQTFEAA ILTQLHPRSQ IDIYVQLQA DGGTYAACVN AATLAVLDAG IPMRDFVCAC SAGFVDGTAL ADLSHVEEAA GGPQLALALL PASGQIALLE MDARLHEDHL ERVLEAAAQA ARDVHTLLDR VVRQHVREAS ILLGD
Isotype:	IgG
Cross-Reactivity:	Human, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

## Target Details

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Target: EXOSC4

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Alternative Name: EXOSC4 ([EXOSC4 Products](#))

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Background: 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. EXOSC4 binds to ARE-containing RNAs.,EXOSC4,RRP41,RRP41A,Rrp41p,SKI6,Ski6p,hRrp41p,p12A,Epigenetics & Nuclear Signaling,EXOSC4

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Molecular Weight: 26 kDa

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Gene ID: 54512

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UniProt: [Q9NPD3](#)

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## Application Details

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Application Notes: WB,1:500 - 1:2000,IHC,1:100 - 1:200

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Comment: HIGH QUALITY

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Restrictions: For Research Use only

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## Handling

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Format: Liquid

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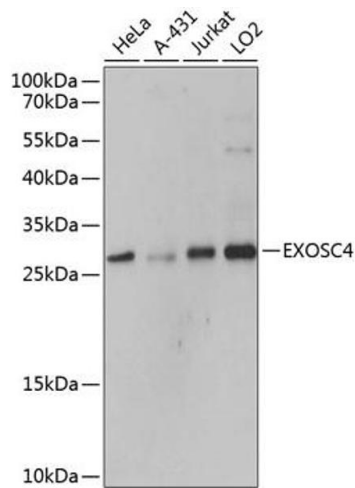
Buffer: PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.

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## Handling

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 various cell lines, using EXOSC4 antibody at 1:3000 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.