

Datasheet for ABIN5672011  
**anti-EXOSC5 antibody (N-Term)**



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1 Image

## Overview

Quantity:	100 µL
Target:	EXOSC5
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Rabbit, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB)

## Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N-terminal region of Human EXOS5
Sequence:	CSLRHFACEQ NLLSRPDGSA SFLQGDTSVL AGVYGPAEVK VSKEIFNKAT
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Zebrafish: 91%
Characteristics:	This is a rabbit polyclonal antibody against EXOS5. It was validated on Western Blot.
Purification:	Affinity purified

## Target Details

Target:	EXOSC5
Alternative Name:	EXOS5 ( <a href="#">EXOSC5 Products</a> )
Background:	EXOS5 is a non-catalytic component of the RNA exosome complex which has 3'->5'

## Target Details

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 .

Alias Symbols: EXOSC5, CML28, RRP46,

Protein Interaction Partner: DOCK8, TRIM54, EXOSC1, FCHO1, IKZF3, EXOSC8, CALCOCO2, TNFAIP1, REL, KRT13, GOLGA2, BIRC2, UBC, rev, ZNF558, CDK5RAP1, EXOSC3, SRPK3, POLR2L, EXOSC10, PA2G4, LIPG, AICDA, DHRS2, EXOSC4, EXOSC2, PSIP1, EXOSC9, DIS3L, DIS3, CUL3, MEPCE, CDK9, SKIV2L2, EXOSC

Protein Size: 235

Gene ID:	56915
NCBI Accession:	<a href="#">NP_064543</a>
UniProt:	<a href="#">Q9NQT4</a>
Pathways:	<a href="#">SARS-CoV-2 Protein Interactome</a>

## Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

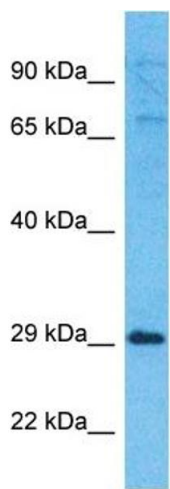
## Handling

Format:	Liquid
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Handling

Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
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:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



**Western Blotting**

**Image 1.** Host: Rabbit Target Name: EXOS5 Sample Type: 721\_B Whole Cell lysates Antibody Dilution: 1.0ug/ml