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# Datasheet for ABIN2788883 anti-RPL7A antibody (C-Term)

2 Images



### Overview

Quantity:	100 µL
Target:	RPL7A
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat, Dog, Guinea Pig, Horse, Rabbit, Zebrafish (Danio rerio), Cow
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RPL7A antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Sequence:	KLVEAIRTNY NDRYDEIRRH WGGNVLGPKS VARIAKLEKA KAKELATKLG
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Zebrafish: 100%
Characteristics:	This is a rabbit polyclonal antibody against RPL7A. It was validated on Western Blot.
Purification:	Affinity Purified

## Target Details

Target:	RPL7A
Alternative Name:	RPL7A (RPL7A Products)
Background:	Cytoplasmic ribosomes, organelles that catalyze protein synthesis, consist of a small 40S

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	subunit and a large 60S subunit. Together these subunits are composed of 4 RNA species and
	approximately 80 structurally distinct proteins. This gene encodes a ribosomal protein that is a
	component of the 60S subunit. The protein belongs to the L7AE family of ribosomal proteins. It
	can interact with a subclass of nuclear hormone receptors, including thyroid hormone receptor,
	and inhibit their ability to transactivate by preventing their binding to their DNA response
	elements. This gene is included in the surfeit gene cluster, a group of very tightly linked genes
	that do not share sequence similarity. It is co-transcribed with the U24, U36a, U36b, and U36c
	small nucleolar RNA genes, which are located in its second, fifth, fourth, and sixth introns,
	respectively. This gene rearranges with the trk proto-oncogene to form the chimeric oncogene
	trk-2h, which encodes an oncoprotein consisting of the N terminus of ribosomal protein L7a
	fused to the receptor tyrosine kinase domain of trk. As is typical for genes encoding ribosomal
	proteins, there are multiple processed pseudogenes of this gene dispersed through the
	genome.
	Alias Symbols: SURF3, TRUP, L7A
	Protein Interaction Partner: HUWE1, UBC, TP53, SUMO2, CEP250, STAU1, MDM2, EED, RNF2,
	EEF1E1, AIMP1, DARS, RPL36, RPLP0, RPL26, RPL23A, RPL21, RPL15, RPL13, QARS, EIF2S1,
	TRAP1, PARK2, FBX06, TARDBP, IGSF8, ICAM1, PAN2, SOCS3, UBL4A, VCAM1, ITGA4, FN1,
	CTBP2, MAGOH, EIF4A3, UPF1, ESR
	Protein Size: 266
Molecular Weight:	29 kDa
Gene ID:	6130
NCBI Accession:	NM_000972, NP_000963
UniProt:	P62424
Application Dataila	
Application Details	
Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.

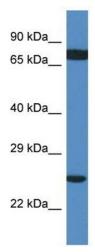
Comment:	Antigen size: 266 AA
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	Lot specific

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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.
Handling Advice:	Avoid repeated freeze-thaw cycles.
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



Rabbit Anti-RPL7A Antibody Catalog Number: ARP61726 Lot Number: QC32398 Lane: 293T Cell Lysate

Antibody Titration: 1.0µg/ml Gel Concentration: 12%

### Western Blotting

Western Blotting

Image 1.

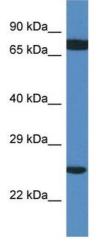


Image 2. WB Suggested Anti-RPL7A AntibodyTitration: 1.0	
µg/mL	
Positive Control: 293T Whole Cell	
RPL7A is supported by BioGPS gene expression data to be	
expressed in HEK293T	

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