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# Datasheet for ABIN6147148 anti-RPL7 antibody (AA 1-248)

5 Images



## Overview

Quantity:	100 µL
Target:	RPL7
Binding Specificity:	AA 1-248
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RPL7 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)
Product Details	
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-248 of human RPL7 (NP_000962.2).
Sequence:	MEGVEEKKKE VPAVPETLKK KRRNFAELKI KRLRKKFAQK MLRKARRKLI YEKAKHYHKE YRQMYRTEIR MARMARKAGN FYVPAEPKLA FVIRIRGING VSPKVRKVLQ LLRLRQIFNG TFVKLNKASI NMLRIVEPYI AWGYPNLKSV NELIYKRGYG KINKKRIALT DNALIARSLG KYGIICMEDL IHEIYTVGKR FKEANNFLWP FKLSSPRGGM KKKTTHFVEG GDAGNREDQI NRLIRRMN
Isotype:	lgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies

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Target:	RPL7
Alternative Name:	RPL7 (RPL7 Products)
Background:	Ribosomes, the organelles that catalyze protein synthesis, consist of a small 40S 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 L30P family of ribosomal proteins. It contains an N terminal basic region-leucine zipper (BZIP)-like domain and the RNP consensus submotif RNP2 In vitro the BZIP-like domain mediates homodimerization and stable binding to DNA and RNA, with a preference for 28S rRNA and mRNA. The protein can inhibit cell-free translation of mRNAs, suggesting that it plays a regulatory role in the translation apparatus. It is located in th cytoplasm. The protein has been shown to be an autoantigen in patients with systemic autoimmune diseases, such as systemic lupus erythematosus. As is typical for genes encoding
	ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed through the genome.,RPL7,L7,humL7-1,Epigenetics & Nuclear Signaling,RNA Binding,Immunology & Inflammation,RPL7
Molecular Weight:	29 kDa
Gene ID:	6129
UniProt:	P18124

# Application Details

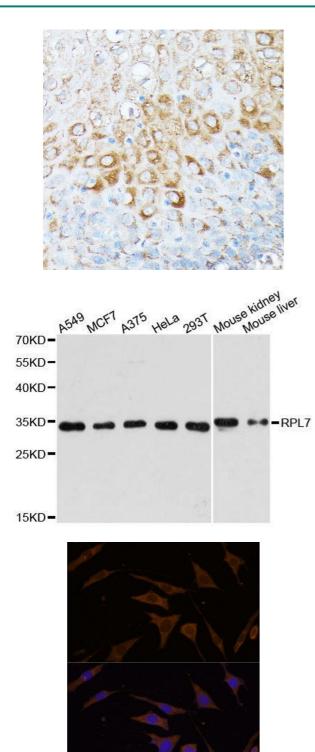
Application Notes:	WB,1:500 - 1:2000,IHC,1:50 - 1:100,IF,1:50 - 1:100
Comment:	HIGH QUALITY
Restrictions:	For Research Use only

# Handling

Format:	Liquid
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

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## Images



### Immunohistochemistry

**Image 1.** Immunohistochemistry of paraffin-embedded human esophageal using RPL7 antibody (ABIN6128656, ABIN6147148, ABIN6147149 and ABIN6221631) at dilution of 1:100 (40x lens).Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.

### **Western Blotting**

**Image 2.** Western blot analysis of extracts of various cell lines, using RPL7 antibody.

#### Immunofluorescence

**Image 3.** Immunofluorescence analysis of L929 cells using RPL7 Polyclonal Antibody (ABIN6128656, ABIN6147148, ABIN6147149 and ABIN6221631) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.

Please check the product details page for more images. Overall 5 images are available for ABIN6147148.

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