antibodies

Datasheet for ABIN6147166 anti-RPLP1 antibody (AA 1-114)

2 Images



Overview

Quantity:	100 µL
Target:	RPLP1
Binding Specificity:	AA 1-114
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RPLP1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-114 of human RPLP1 (NP_000994.1).
Sequence:	MASVSELACI YSALILHDDE VTVTEDKINA LIKAAGVNVE PFWPGLFAKA LANVNIGSLI CNVGAGGPAP AAGAAPAGGP APSTAAAPAE EKKVEAKKEE SEESDDDMGF GLFD
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat, Zebrafish (Danio rerio)
Characteristics:	Polyclonal Antibodies
Target Details	
Target:	RPLP1

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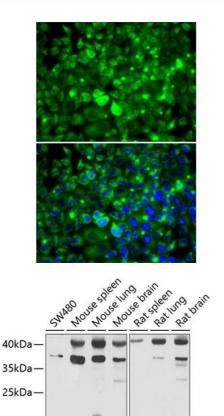
Alternative Name:	RPLP1 (RPLP1 Products)
Background:	Ribosomes, the organelles that catalyze protein synthesis, consist of a small 40S subunit and a
	large 60S subunit. Together these subunits are composed of 4 RNA species and approximately
	80 structurally distinct proteins. This gene encodes a ribosomal phosphoprotein that is a
	component of the 60S subunit. The protein, which is a functional equivalent of the E. coli
	L7/L12 ribosomal protein, belongs to the L12P family of ribosomal proteins. It plays an
	important role in the elongation step of protein synthesis. Unlike most ribosomal proteins,
	which are basic, the encoded protein is acidic. Its C-terminal end is nearly identical to the C-
	terminal ends of the ribosomal phosphoproteins P0 and P2. The P1 protein can interact with P0
	and P2 to form a pentameric complex consisting of P1 and P2 dimers, and a P0 monomer. The
	protein is located in the cytoplasm. Two alternatively spliced transcript variants that encode
	different proteins have been observed. As is typical for genes encoding ribosomal proteins,
	there are multiple processed pseudogenes of this gene dispersed through the
	genome.,RPLP1,LP1,P1,RPP1,Epigenetics & Nuclear Signaling,RPLP1
Molecular Weight:	8 kDa/11 kDa
Gene ID:	6176
UniProt:	P05386
Application Details	
Application Notes:	WB,1:500 - 1:2000,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

Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.

-20 °C

Storage:

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15kDa

10kDa

RPLP1



Image 1. Immunofluorescence analysis of MCF7 cells using RPLP1 antibody (ABIN6129657, ABIN6147166, ABIN6147167 and ABIN6222445). Blue: DAPI for nuclear staining.

Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using RPLP1 antibody (ABIN6129657, ABIN6147166, ABIN6147167 and ABIN6222445) at 1:1000 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: 60s.

