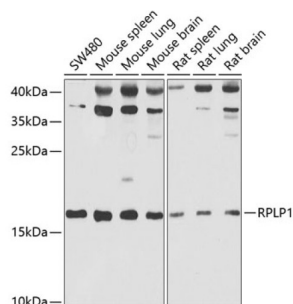
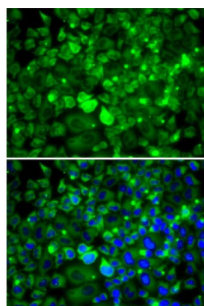


Ribosomal Protein Lateral Stalk Subunit P1 (RPLP1) Antibody

Catalogue No.: abx005158



Western blot analysis of various lysates using RPLP1 Antibody at 1/1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) at 1/10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Exposure time: 60s.



Immunofluorescence analysis of MCF7 cells using RPLP1 Antibody. Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) at 1/500 dilution. Blue: DAPI for nuclear staining.

RPLP1 Antibody is a Rabbit Polyclonal antibody against RPLP1. 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.

Target: Ribosomal Protein Lateral Stalk Subunit P1 (RPLP1)

Clonality: Polyclonal

Reactivity: Human, Mouse, Rat, Zebrafish

Tested Applications: ELISA, WB, IF/ICC

Host: Rabbit

Recommended dilutions: ELISA: 1 µg/ml, WB: 1/500 - 1/2000, IF/ICC: 1/50 - 1/100. Optimal dilutions/concentrations should be determined by the end user.

Conjugation: Unconjugated

Datasheet

Version: 10.0.0
Revision date: 19 Oct 2025



Immunogen:	Recombinant protein corresponding to RPLP1. The exact sequence is proprietary.
Isotype:	IgG
Form:	Liquid
Purification:	Purified by affinity chromatography.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	P05386 (UniProt , ExPASy)
Gene Symbol:	RPLP1
GeneID:	6176
NCBI Accession:	NP_000994.1
KEGG:	hsa:6176
String:	9606.ENSP00000346037
Molecular Weight:	Calculated MW: 12 kDa Observed MW: 17 kDa
Sequence:	MASVSELACI YSALVLHDDE VTVTEDKINA LIKAAGVNVE PFWPGLFAKA LANVNIGSLI CNVGAGGPAP AAGAAPAGGP APSTAAAPAE EKKVEAKKEE SEESDDDMGF GLFD
Buffer:	PBS, pH 7.3, containing 0.02% sodium azide, 50% glycerol.
Concentration:	1.03 mg/ml
Note:	THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.