

Anti-RPLP0 antibody

Cat. No.	ml221200
Package	25 µl/100 µl/200 µl
Storage	-20°C, pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol

Product overview

Description	Anti-RPLP0 rabbit polyclonal antibody
Applications	ELISA, WB, IHC
Immunogen	Fusion protein of human RPLP0
Reactivity	Human, Mouse, Rat
Content	0.3 mg/ml
Host species	Rabbit
Ig class	Immunogen-specific rabbit IgG
Purification	Antigen affinity purification

Target information

Symbol	RPLP0
Full name	Ribosomal protein, large, P0

Synonyms P0; LP0; L10E; RPP0; PRLP0

Swissprot P05388

Target 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, which is the functional equivalent of the E. coli L10 ribosomal protein, belongs to the L10P family of ribosomal proteins. It is a neutral phosphoprotein with a C-terminal end that is nearly identical to the C-terminal ends of the acidic ribosomal phosphoproteins P1 and P2. The P0 protein can interact with P1 and P2 to form a pentameric complex consisting of P1 and P2 dimers, and a P0 monomer. The protein is located in the cytoplasm. Transcript variants derived from alternative splicing exist; they encode the same protein. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed through the genome.

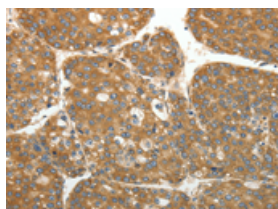
Applications

Immunohistochemistry

Predicted cell location: Cytoplasm

Positive control: Human liver cancer

Recommended dilution: 50-200

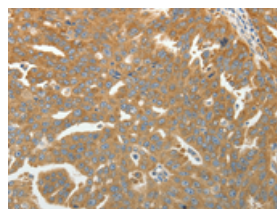


The image on the left is immunohistochemistry of paraffin-embedded Human liver cancer tissue using ml221200(RPLP0 Antibody) at dilution 1/40, on the right is treated with fusion protein. (Original magnification: ×200)

Predicted cell location: Cytoplasm

Positive control: Human ovarian cancer

Recommended dilution: 50-200



The image on the left is immunohistochemistry of paraffin-embedded Human ovarian cancer tissue using ml221200(RPLP0 Antibody) at dilution 1/40, on the right is treated with fusion protein. (Original magnification: ×200)

Western blotting

Predicted band size: 34 kDa

Positive control: Hela, 293T, A431 and Jurkat cells

Recommended dilution: 500-2000

Gel: 10%SDS-PAGE

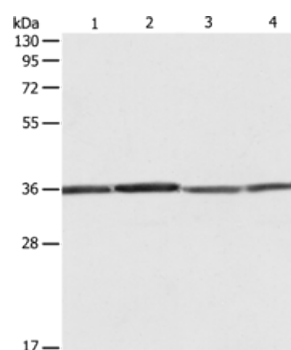
Lysate: 40 μ g

Lane 1-4: Hela cells, 293T cells, A431 cells, Jurkat cells

Primary antibody: ml221200(RPLP0 Antibody) at dilution 1/600

Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution

Exposure time: 1 minute



ELISA

Recommended dilution: 2000-5000

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