

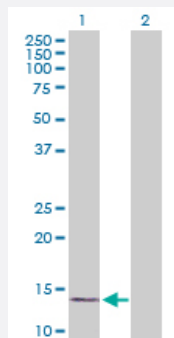
MaxPab®

RPLP1 purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00006176-B01P

Size 50 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of RPLP1 expression in transfected 293T cell line ([H00006176-T01](#)) by RPLP1 MaxPab polyclonal antibody.

Lane 1: RPLP1 transfected lysate(12.54 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description	Mouse polyclonal antibody raised against a full-length human RPLP1 protein.
Immunogen	RPLP1 (NP_000994.1, 1 a.a. ~ 114 a.a) full-length human protein.
Sequence	MASVSELACIYSALILHDDEVTVTEDKINALIKAAGVNVEPFWPGLFAKALANVNIGSLICNVGAGG PAPAAGAAPAGGPAPSTAAAPAEKKVEAKKEESEESDDDMGFGFLFD
Host	Mouse
Reactivity	Human
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

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[Protocol Download](#)

Gene Info — RPLP1

Entrez GeneID [6176](#)

GeneBank Accession# [NM_001003.2](#)

Protein Accession# [NP_000994.1](#)

Gene Name RPLP1

Gene Alias FLJ27448, MGC5215, P1, RPP1

Gene Description ribosomal protein, large, P1

Omim ID [180520](#)

Gene Ontology [Hyperlink](#)

Gene Summary

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. [provided by RefSeq]

Other Designations 60S acidic ribosomal protein P1|acidic ribosomal phosphoprotein P1|ribosomal protein P1

Pathway

- [Ribosome](#)