

Datasheet

RPLP1 monoclonal antibody (M01), clone 1G10

Catalog Number: H00006176-M01

Regulation Status: For research use only (RUO)

Product Description: Mouse monoclonal antibody raised against a full-length recombinant RPLP1.

Clone Name: 1G10

Immunogen: RPLP1 (NP_000994.1, 1 a.a. ~ 114 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence:

MASVSELACIYSALILHDDEVTVTEDKINALIKAAGVNV
EPFWPGLFAKALANVNIGSLICNVGAGGPAPAAGAAP
AGGPAPSTAAAPAEKKVEAKKEESEESDDDMGFGLF
D

Host: Mouse

Reactivity: Human

Applications: ELISA, IF, S-ELISA, WB-Re, WB-Tr
(See our web site product page for detailed applications information)

Protocols: See our web site at
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Isotype: IgG2a Kappa

Storage Buffer: In 1x PBS, pH 7.4

Storage Instruction: Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 6176

Gene Symbol: RPLP1

Gene Alias: FLJ27448, MGC5215, P1, RPP1

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]