Rabbit RPLP0 Polyclonal Antibody | anti-RPLP0 antibody

RPLP0 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA327098	**Rabbit**	**Human, Mouse, Rat**	**ELISA, Immunohistochemistry, Western Blot**

PRODUCT SYNONYMS

RPLP0; Polyclonal Antibody; RPLP0 Antibody; 36B4; 60S acidic ribosomal protein P0; 60S ribosomal protein L10E; Acidic ribosomal phosphoprotein P0; Arbp; L10E; LP0; MGC107165; MGC107166; MGC111226; MGC88175; OTTMUSP00000015585; P0; PRLP0; Ribosomal phosphoprotein; acidic; Ribosomal protein P0; Ribosomal protein; large; RLA0_HUMAN; rplP0; RPP0; anti-RPLP0 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	RPLP0 antibody detects endogenous levels of total RPLP0
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	317
Applicable Applications for anti-RPLP0 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human RPLP0
Subcellular Location	Nucleus. Cytoplasm. Localized in cytoplasmic mRNP granules containing untranslated mRNAs.
Predicted Cross Reactivity	**Pig, Zebrafish, Bovine, Sheep, Rabbit, Dog, Chicken, Xenopus**
Similarity	Pig (100%), Zebrafish (83%), Bovine (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (100%), Xenopus (92%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES

WB (Western Blot)
Western blot analysis of Hela whole cell lysates, using RPLP0 Antibody. The lane on the left is treated with the antigen-specific peptide.

IHC (Immunohistochemistry)
AAA327098 at 1/100 staining Rat heart tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-RPLP0 antibody	Description: 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. Function: Ribosomal protein P0 is the functional equivalent of E.coli protein L10. Subunit Structure: P0 forms a pentameric complex by interaction with dimers of P1 and P2 (PubMed:3323886). Identified in a IGF2BP1-dependent mRNP granule complex containing untranslated mRNAs (PubMed:17289661). Interacts with APEX1 (PubMed:19188445). Interacts with FMR1 isoform 6 (PubMed:24658146). Interacts with Lassa virus Z protein. Similarity: Belongs to the universal ribosomal protein uL10 family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4506667
NCBI GeneID	6175
NCBI Accession #	NP_000993.1
NCBI GenBank Nucleotide #	NM_001002.3
UniProt Accession #	P05388; Q3B7A4; Q9BVK4
Molecular Weight	Observed: 34 kDa Predicted: 35 kDa
NCBI Official Full Name	60S acidic ribosomal protein P0
NCBI Official Synonym Full Names	ribosomal protein lateral stalk subunit P0
NCBI Official Symbol	RPLP0
NCBI Official Synonym Symbols	P0; LP0; L10E; RPP0; PRLP0
NCBI Protein Information	60S acidic ribosomal protein P0
UniProt Protein Name	60S acidic ribosomal protein P0
UniProt Gene Name	**RPLP0**

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/polyclonal/rplp0-antibody-immunohistochemistry-western-blot-elisa/327098