



Ribosomal Protein L7 rabbit pAb

Cat No.:ES3369

For research use only

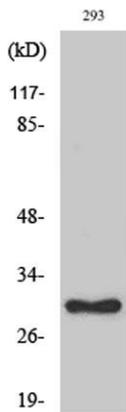
Overview

Product Name	Ribosomal Protein L7 rabbit pAb
Host species	Rabbit
Applications	WB;IHC;IF;ELISA
Species Cross-Reactivity	Human;Mouse;Rat;Cat
Recommended dilutions	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/10000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human RPL7. AA range:199-248
Specificity	Ribosomal Protein L7 Polyclonal Antibody detects endogenous levels of Ribosomal Protein L7 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	60S ribosomal protein L7
Gene Name	RPL7
Cellular localization	nucleus,nucleolus,cytoplasm,cytosol,ribosome,focal adhesion,membrane,cytosolic large ribosomal subunit,intracellular ribonucleoprotein complex,extracellular exosome,
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	32kD
Human Gene ID	6129
Human Swiss-Prot Number	P18124
Alternative Names	RPL7; 60S ribosomal protein L7
Background	Ribosomes, the organelles that catalyze protein synthesis, consist of a small 40S subunit and a large 60S subunit. Together these subunits are composed

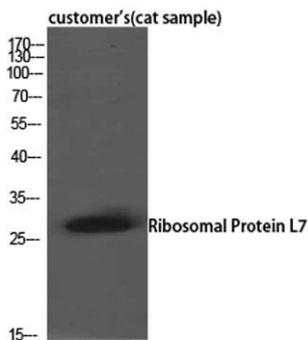




of 4 RNA species and approximately 80 structurally distinct proteins. This gene encodes a ribosomal protein that is a component of the 60S subunit. The protein belongs to the L30P family of ribosomal proteins. It contains an N-terminal basic region-leucine zipper (BZIP)-like domain and the RNP consensus submotif RNP2. In vitro the BZIP-like domain mediates homodimerization and stable binding to DNA and RNA, with a preference for 28S rRNA and mRNA. The protein can inhibit cell-free translation of mRNAs, suggesting that it plays a regulatory role in the translation apparatus. It is located in the cytoplasm. The protein has been shown to be an autoantigen in patients with systemic autoimmune diseases, such as systemic lupus erythematosus. As is typical

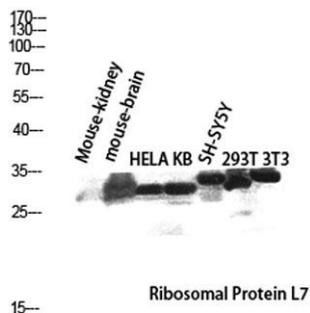


Western Blot analysis of various cells using Ribosomal Protein L7 Polyclonal Antibody diluted at 1:2000

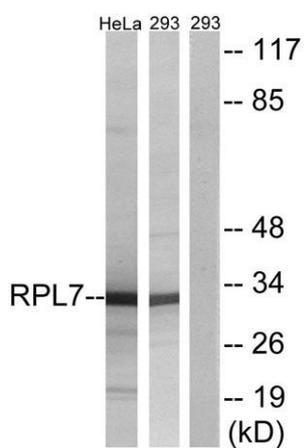


Western Blot analysis of customer's (cat sample) using Ribosomal Protein L7 Polyclonal Antibody. Antibody was diluted at 1:2000





Western blot analysis of Mouse-kidney mouse-brain HELA KB SH-SY5Y 293T 3T3 lysis using Ribosomal Protein L7 antibody. Antibody was diluted at 1:2000



Western blot analysis of lysates from 293 and HeLa cells, using RPL7 Antibody. The lane on the right is blocked with the synthesized peptide.

