

DNAxPAb

Hard-to-Find
Antibody

RPL7 DNAxPab

Catalog # H00006129-W01P

Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human RPL7 DNA using DNAx™ Immune technology.
Technology	DNAx™ Immune
Immunogen	Full-length human DNA
Sequence	MEGVEEKKKEVPAPVETLKKKRRNFAELKIKRLRKKFAQKMLRKARRKLIYEKAKHYHKEYRQMY RTEIRMARMARKAGNFYVPAEPKLAFVIRIRINGVSPKVRKVLQLLRRLRQIFNGTFVKLNKASINML RIVEPYIAWGYPNLKSVNELYKRGYKINKKRIALTDNALIARSLGKYGIICMEDLIHEYTVGKRFKEA NNFLWPFKLSSPRGGMKKKTTHFVEGGDAGNREDQINRLIRRMN
Host	Rabbit
Reactivity	Human
Purification	Protein A
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.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)
- Flow Cytometry (Transfected cell)

Gene Info — RPL7

Entrez GeneID [6129](#)

GeneBank Accession# [BC009599.1](#)

Protein Accession# [AAH09599.1](#)

Gene Name RPL7

Gene Alias MGC117326, humL7-1

Gene Description ribosomal protein L7

Omim ID [604166](#)

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 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 for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed through the genome. [provided by RefSeq]

Other Designations 60S ribosomal protein L7

Pathway

- [Ribosome](#)

Disease

- [Tobacco Use Disorder](#)