RPL37 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	RPL37, Polyclonal Antibody
Full Product Name	RPL37, CT (RPL37, 60S ribosomal protein L37, G1.16) (MaxLight 550)
Product Gene Name	anti-RPL37 antibody
Product Synonym Names	RPL37; 60S ribosomal protein L37; G1.16
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight550.
Purity/Purification	Purified by Protein G Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight550 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	11,078 Da
Chromosome Location	Chromosome: 5; NC_000005.9 (40831430..40835387, complement). Location: 5p13
OMIM	604181
3D Structure	ModBase 3D Structure for P61927
Immunogen	RPL37 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 67~96 amino acids from the C-terminal region of human RPL37 Antibody (C-term).
Conjugate	MaxLight550
Note	Preservative Free
Product Categories/Family for anti-RPL37 antibody	Antibodies; Ribosomal Proteins
Applications Tested/Suitable for anti-RPL37 antibody	Western Blot (WB), FLISA
Application Notes for anti-RPL37 antibody	WB: 1:100-500 FLISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-RPL37 antibody	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 L37E family of ribosomal proteins. It is located in the cytoplasm. The protein contains a C2C2-type zinc finger-like motif.
Product References and Citations for anti-RPL37 antibody	Ewing, R.M., et al. Mol. Syst. Biol. 3, 89 (2007). Schwartz, E.I., et al. Mol. Cell. Biol. 24(21):9580-9591(2004). Kapp, L.D., et al. Annu. Rev. Biochem. 73, 657-704 (2004). Mazumder, B., et al. Cell 115(2):187-198(2003). Yoshihama, M., et al. Genome Res. 12(3):379-390(2002). Uechi, T., et al. Genomics 72(3):223-230(2001). Kenmochi, N., et al. Genome Res. 8(5):509-523(1998).

Other Notes	Small volumes of anti-RPL37 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for RPL37 purchase	MBS6343552 is an antibody targeting RPL37. Also known as RPL37, CT (RPL37, 60S ribosomal protein L37, G1.16) (MaxLight 550). Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for RPL37. It may not necessarily be applicable to this product.

NCBI GI #	48145897
NCBI GeneID	6167
NCBI Accession #	CAG33171.1
UniProt Primary Accession #	P61927
UniProt Secondary Accession #	P02403; Q6IBB4; Q99883; B2R4H2
UniProt Related Accession #	P61927
NCBI Official Full Name	RPL37
NCBI Official Synonym Full Names	ribosomal protein L37
NCBI Official Symbol	RPL37
NCBI Official Synonym Symbols	L37
UniProt Protein Name	60S ribosomal protein L37
UniProt Synonym Protein Names	G1.16
Protein Family	60S ribosomal protein
UniProt Gene Name	RPL37
UniProt Entry Name	RL37_HUMAN
NCBI Protein Information	60S ribosomal protein L37; G1.16; 60S ribosomal protein L37a
NCBI Summary for RPL37	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 L37E family of ribosomal proteins. It is located in the cytoplasm. The protein contains a C2C2-type zinc finger-like motif. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed through the genome. [provided by RefSeq, Jul 2008]
UniProt Comments for RPL37	Function: Binds to the 23S rRNA By similarity. Cofactor: Binds 1 zinc ion per subunit By similarity. Sequence similarities: Belongs to the ribosomal protein L37e family.
Research Articles on RPL37	**1.** Data report that depletion of L37 leads to cell cycle arrest in a MDM2/L11- and p53-dependent manner.
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