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RPL27A Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP10937b

Product Information

Application	WB, IHC-P, FC, E
Primary Accession	P46776
Other Accession	P18445, P14115, Q4R723, Q56K03, NP_000981.1
Reactivity	Human, Hamster
Predicted	Bovine, Monkey, Mouse, Rat, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB30127
Calculated MW	16561
Antigen Region	110-138

Additional Information

Gene ID	6157
Other Names	60S ribosomal protein L27a, RPL27A
Target/Specificity	This RPL27A antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 110-138 amino acids from the C-terminal region of human RPL27A.
Dilution	WB~~1:1000 IHC-P~~1:100~500 FC~~1:10~50 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	RPL27A Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	RPL27A
Function	Component of the large ribosomal subunit (PubMed: 23636399, PubMed:32669547). The ribosome is a large ribonucleoprotein complex

responsible for the synthesis of proteins in the cell (PubMed:23636399, PubMed:32669547).

Cellular Location Cytoplasm.

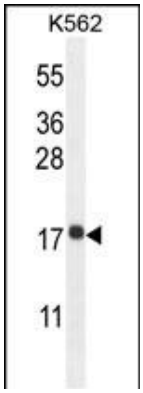
Background

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 L15P family of ribosomal proteins. It is located in the cytoplasm. Variable expression of this gene in colorectal cancers compared to adjacent normal tissues has been observed, although no correlation between the level of expression and the severity of the disease has been found. As is typical for genes encoding ribosomal proteins, multiple processed pseudogenes derived from this gene are dispersed through the genome.

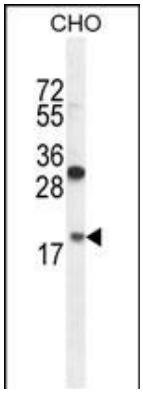
References

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Mazumder, B., et al. Cell 115(2):187-198(2003)
Andersen, J.S., et al. Curr. Biol. 12(1):1-11(2002)
Bortoluzzi, S., et al. Bioinformatics 17(12):1152-1157(2001)
Kusuda, J., et al. Cytogenet. Cell Genet. 85 (3-4), 248-251 (1999) :

Images

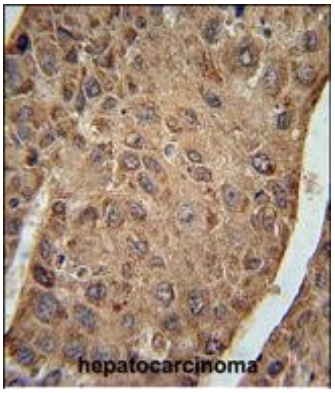


RPL27A Antibody (C-term) (Cat. #AP10937b) western blot analysis in K562 cell line lysates (35ug/lane).This demonstrates the RPL27A antibody detected the RPL27A protein (arrow).

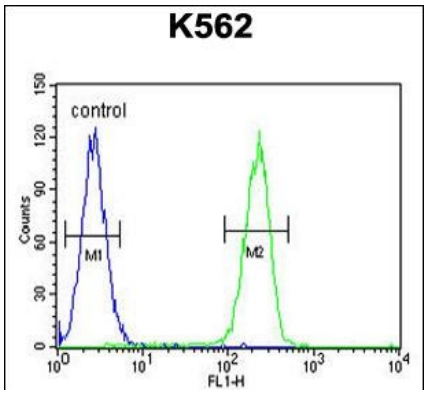


RPL27A Antibody (C-term) (Cat. #AP10937b) western blot analysis in CHO cell line lysates (35ug/lane).This demonstrates the RPL27A antibody detected the RPL27A protein (arrow).

RPL27A Antibody (C-term) (Cat. #AP10937b) immunohistochemistry analysis in formalin fixed and paraffin embedded human hepatocarcinoma followed by peroxidase conjugation of the secondary antibody and



DAB staining. This data demonstrates the use of the RPL27A Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



RPL27A Antibody (C-term) (Cat. #AP10937b) flow cytometric analysis of K562 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Citations

- RPL27A is a target of miR-595 and may contribute to the myelodysplastic phenotype through ribosomal dysgenesis.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.