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RPL15 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP12772A

Product Information

Application	IHC-P, FC, WB, E
Primary Accession	P61313
Other Accession	P61314, Q9CZM2, Q4R5B2, Q5EAD6, NP_002939.2
Reactivity	Human, Mouse
Predicted	Bovine, Monkey, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB27525
Calculated MW	24146
Antigen Region	21-50

Additional Information

Gene ID	6138
Other Names	60S ribosomal protein L15, RPL15, EC45
Target/Specificity	This RPL15 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 21-50 amino acids from the N-terminal region of human RPL15.
Dilution	IHC-P~~1:100~500 FC~~1:10~50 WB~~1:1000 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	RPL15 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	RPL15
Synonyms	EC45

Function	Component of the large ribosomal subunit. The ribosome is a large ribonucleoprotein complex responsible for the synthesis of proteins in the cell.
Cellular Location	Cytoplasm.

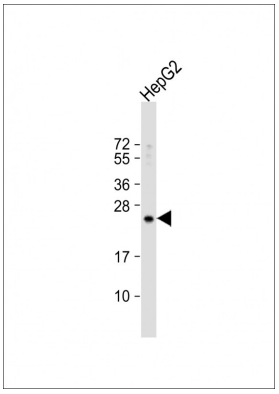
Background

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 L15E family of ribosomal proteins. It is located in the cytoplasm. This gene shares sequence similarity with the yeast ribosomal protein YL10 gene. Although this gene has been referred to as RPL10, its official symbol is RPL15. This gene has been shown to be overexpressed in some esophageal tumors compared to normal matched tissues. Transcript variants utilizing alternative polyA signals exist. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed through the genome.

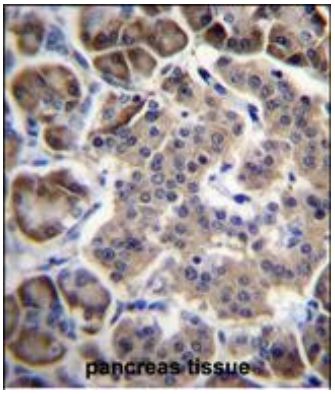
References

Wheeler, H.E., et al. PLoS Genet. 5 (10), E1000685 (2009) :
Wang, H., et al. BMC Cancer 6, 91 (2006) :
Andersen, J.S., et al. Nature 433(7021):77-83(2005)
Kapp, L.D., et al. Annu. Rev. Biochem. 73, 657-704 (2004) :
Mazumder, B., et al. Cell 115(2):187-198(2003)

Images

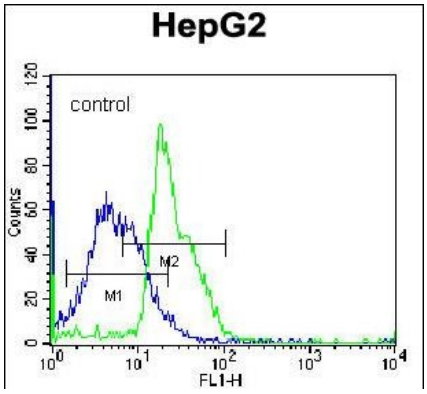


Anti-RPL15 Antibody (N-term) at 1:1000 dilution + HepG2 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 24 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



RPL15 Antibody (N-term) (Cat. #AP12772a)immunohistochemistry analysis in formalin fixed and paraffin embedded human pancreas tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of RPL15 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.

RPL15 Antibody (N-term) (Cat. #AP12772a) flow cytometric analysis of K562 cells (right histogram)



compared to a negative control cell (left histogram).FITC-conjugated donkey-anti-rabbit secondary antibodies were used for the analysis.