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RPL17 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP9892b

Product Information

Application	WB, IHC-P, E
Primary Accession	P18621
Other Accession	P24049, Q3T025
Reactivity	Human
Predicted	Bovine, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB24670
Calculated MW	21397
Antigen Region	156-184

Additional Information

Gene ID	6139
Other Names	60S ribosomal protein L17, 60S ribosomal protein L23, PD-1, RPL17
Target/Specificity	This RPL17 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 156-184 amino acids from the C-terminal region of human RPL17.
Dilution	WB~~1:1000 IHC-P~~1:100~500 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	RPL17 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	RPL17
Function	Component of the large ribosomal subunit (PubMed: 12962325, PubMed:23636399, PubMed:32669547). The ribosome is a large ribonucleoprotein complex responsible for the synthesis of proteins in the

cell (PubMed:12962325, PubMed:23636399, PubMed:32669547).

Cellular Location Cytoplasm.

Tissue Location Expressed in pancreas, lung, colon, cystic duct, gall bladder, kidney and liver. Expressed at high levels in the well differentiated pancreatic tumor cell lines HPAF, COLO 357 and Capan-1, the moderately differentiated pancreatic tumor cell lines T3M-4, AsPc-1 and BxPc-3, the poorly differentiated pancreatic tumor cell line MIA PaCa-2, and the pancreatic tumor cell lines of undefined differentiation status such as SW979. Expressed at lower levels in the poorly differentiated pancreatic tumor cell lines HCG-25 and PANC-1

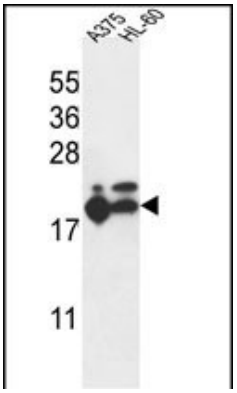
Background

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 L22P family of ribosomal proteins. It is located in the cytoplasm. This gene has been referred to as rpL23 because the encoded protein shares amino acid identity with ribosomal protein L23 from Halobacterium marismortui; however, its official symbol is RPL17.

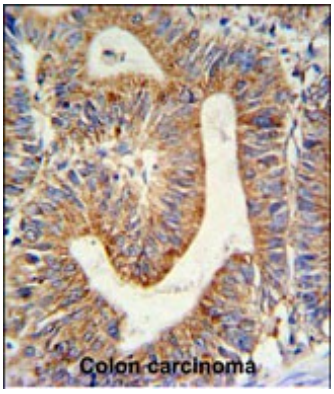
References

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)
Matsuda, A., et al. Oncogene 22(21):3307-3318(2003)
Odintsova, T.I., et al. J. Protein Chem. 22(3):249-258(2003)
Yoshihama, M., et al. Genome Res. 12(3):379-390(2002)

Images



RPL17 Antibody (C-term) (Cat. #AP9892b) western blot analysis in A375,HL-60 cell line lysates (35ug/lane).This demonstrates the RPL17 antibody detected the RPL17 protein (arrow).



RPL17 Antibody (C-term) (Cat. #AP9892b) IHC analysis in formalin fixed and paraffin embedded colon carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the RPL17 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

Citations

- An ER translocon for multi-pass membrane protein biogenesis