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RPL23 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP12578c

Product Information

Application	WB, IHC-P, E
Primary Accession	P62829
Other Accession	P62832, P62831, P62830, Q6PC14, Q3T057, NP_000969.1
Reactivity	Human, Rat, Mouse
Predicted	Bovine, Zebrafish, Pig, Rat, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB31322
Calculated MW	14865
Antigen Region	49-78

Additional Information

Gene ID	9349
Other Names	60S ribosomal protein L23, 60S ribosomal protein L17, RPL23
Target/Specificity	This RPL23 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 49-78 amino acids from the Central region of human RPL23.
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	RPL23 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	RPL23
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.

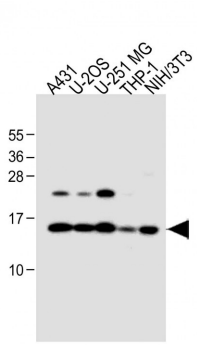
Background

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 L14P family of ribosomal proteins. It is located in the cytoplasm. This gene has been referred to as rpL17 because the encoded protein shares amino acid identity with ribosomal protein L17 from Saccharomyces cerevisiae; however, its official symbol is RPL23. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed through the genome.

References

Gehring, N.H., et al. Cell 137(3):536-548(2009) Wanzel, M., et al. Nat. Cell Biol. 10(9):1051-1061(2008) Rush, J., et al. Nat. Biotechnol. 23(1):94-101(2005) Rush, J., et al. Nat. Biotechnol. 23(1):94-101(2005) Jin, A., et al. Mol. Cell. Biol. 24(17):7669-7680(2004)

Images



All lanes : Anti-RPL23 Antibody (Center) at 1:1000 dilution Lane 1: A431 whole cell lysate Lane 2: U-2OS whole cell lysate Lane 3: U-251 MG whole cell lysate Lane 4: THP-1 whole cell lysate Lane 5: NIH/3T3 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 : 15 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

Citations

- EBP2, a novel NPM-ALK-interacting protein in the nucleolus, contributes to the proliferation of ALCL cells by regulating tumor suppressor p53

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