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RPS8 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP8831a

Specification

RPS8 Antibody (N-term) - Product Information

Application	**FC, WB,E**
Primary Accession	P62241
Other Accession	Q7SYU0, P62243, P62242, Q4R6P8, Q5E958, NP_001003, G1TJW1
Reactivity	**Human, Mouse**
Predicted	**Bovine, Monkey, Rabbit, Rat, Xenopus**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Antigen Region	**1-28**

RPS8 Antibody (N-term) - Additional Information

Gene ID 6202

Other Names
40S ribosomal protein S8, RPS8

Target/Specificity
This RPS8 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-28 amino acids from the N-terminal region of human RPS8.

Dilution
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
RPS8 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

RPS8 Antibody (N-term) - Protein Information

Name RPS8 (HGNC:10441)

Function Component of the small ribosomal subunit (PubMed:23636399). The ribosome is a large ribonucleoprotein complex responsible for the synthesis of proteins in the cell (PubMed:23636399). Part of the small subunit (SSU) processome, first precursor of the small eukaryotic ribosomal subunit. During the assembly of the SSU processome in the nucleolus, many ribosome biogenesis factors, an RNA chaperone and ribosomal proteins associate with the nascent pre-rRNA and work in concert to generate RNA folding, modifications, rearrangements and cleavage as well as targeted degradation of pre-ribosomal RNA by the RNA exosome (PubMed:34516797).

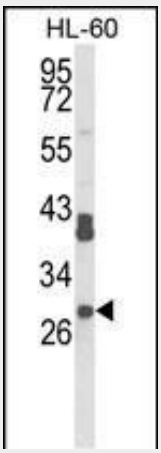
Cellular Location
Cytoplasm. Membrane; Lipid-anchor. Nucleus, nucleolus. Note=Localized in cytoplasmic mRNP granules containing untranslated mRNAs.

RPS8 Antibody (N-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

RPS8 Antibody (N-term) - Images



Western blot analysis of RPS8 Antibody (N-term) (Cat. #AP8831a) in HL-60 cell line lysates (35ug/lane). RPS8 (arrow) was detected using the purified Pab.

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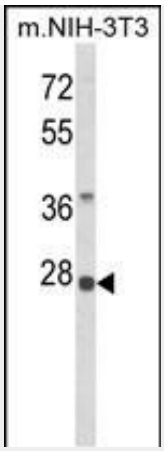
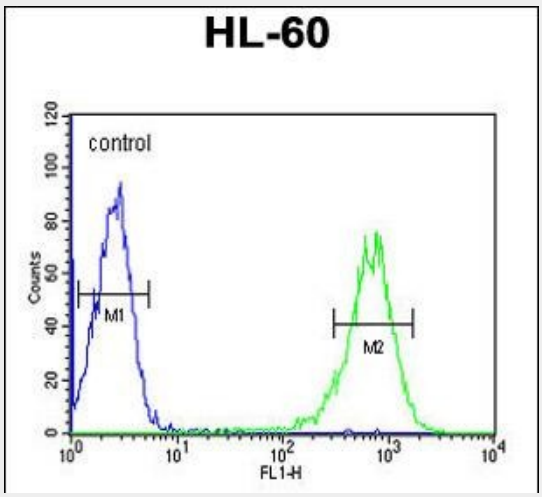


Western blot analysis of RPS8 Antibody (N-term) (Cat. #AP8831a) in NIH-3T3 cell line lysates (35ug/lane). RPS8 (arrow) was detected using the purified Pab



RPS8 Antibody (N-term) (Cat. #AP8831a) flow cytometric analysis of HL-60 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

RPS8 Antibody (N-term) - 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. RPS8 is a ribosomal protein that is a component of the 40S subunit. The protein belongs to the S8E family of ribosomal proteins. It is located in the cytoplasm.

RPS8 Antibody (N-term) - References

Wool,I.G., et.al., Biochem. Cell Biol. 73 (11-12), 933-947 (1995)

RPS8 Antibody (N-term) - Citations

- A ribosome-related signature in peripheral blood CLL B cells is linked to reduced survival following treatment.
- Active regulator of SIRT1 is required for ribosome biogenesis and function.