

## **RPS15 Antibody (N-term)**

Affinity Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP6914a

## **Specification**

## **RPS15 Antibody (N-term) - Product Information**

Application FC, IHC-P, WB,E

Primary Accession P62841

Other Accession P62845, P62844, P62843, P62846, Q56K10,

**G1U0Q2** 

Reactivity Human

Predicted Bovine, Chicken, Mouse, Pig, Rabbit, Rat

Host Rabbit Clonality Polyclonal Isotype Rabbit IgG

Antigen Region 1-30

## RPS15 Antibody (N-term) - Additional Information

#### **Gene ID 6209**

### **Other Names**

40S ribosomal protein S15, RIG protein, RPS15, RIG

## Target/Specificity

This RPS15 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human RPS15.

## **Dilution**

FC~~1:10~50 IHC-P~~1:50~100 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**

RPS15 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

### RPS15 Antibody (N-term) - Protein Information





Name RPS15

## **Synonyms RIG**

**Function** Component of the small ribosomal subunit (PubMed: <u>23636399</u>). The ribosome is a large ribonucleoprotein complex responsible for the synthesis of proteins in the cell (PubMed: <u>23636399</u>).

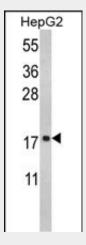
Cellular Location Cytoplasm.

## RPS15 Antibody (N-term) - Protocols

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

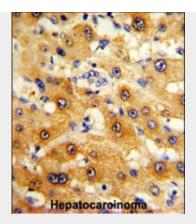
- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

# RPS15 Antibody (N-term) - Images

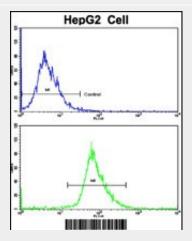


Western blot analysis of RPS15 Antibody (N-term) (Cat. #AP6914a) in HepG2 cell line lysates (35ug/lane). RPS15 (arrow) was detected using the purified Pab.





Formalin-fixed and paraffin-embedded human hepatocarcinoma reacted with RPS15 Antibody (N-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



Flow cytometric analysis of HepG2 cells using RPS15 Antibody (N-term)(bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

## RPS15 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. RPS15 is a component of the 40S subunit. The protein belongs to the S19P family of ribosomal proteins. It is located in the cytoplasm.

## RPS15 Antibody (N-term) - References

Yu,Y., et.al., Protein Sci. 14 (6), 1438-1446 (2005)

**RPS15 Antibody (N-term) - Citations** 

• Ribosomal proteins RPL37, RPS15 and RPS20 regulate the Mdm2-p53-MdmX network.