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## **RPS19 Recombinant Monoclonal Antibody**

Product Code	CSB-RA940350A0HU
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	P39019
Immunogen	A synthesized peptide derived from human RPS19
Species Reactivity	Human
<b>Tested Applications</b>	ELISA, WB, FC; Recommended dilution: WB:1:500-1:2000, FC:1:50-1:200
Relevance	Required for pre-rRNA processing and maturation of 40S ribosomal subunits. {ECO:0000269 PubMed:16990592}.
Form	Liquid
Conjugate	Non-conjugated
Storage Buffer	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage Buffer Purification Method	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Affinity-chromatography
Storage Buffer Purification Method Isotype	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Affinity-chromatographyRabbit IgG
Storage Buffer Purification Method Isotype Clonality	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Affinity-chromatographyRabbit IgGMonoclonal
Storage Buffer Purification Method Isotype Clonality Product Type	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Affinity-chromatographyRabbit IgGMonoclonalRecombinant Antibody
Storage Buffer Purification Method Isotype Clonality Product Type Immunogen Species	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Affinity-chromatography Rabbit IgG Monoclonal Recombinant Antibody Homo sapiens (Human)
Storage Buffer Purification Method Isotype Clonality Product Type Immunogen Species Research Area	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Affinity-chromatographyRabbit IgGMonoclonalRecombinant AntibodyHomo sapiens (Human)Epigenetics and Nuclear Signaling
Storage Buffer Purification Method Isotype Clonality Product Type Immunogen Species Research Area Gene Names	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Affinity-chromatography Rabbit IgG Monoclonal Recombinant Antibody Homo sapiens (Human) Epigenetics and Nuclear Signaling RPS19

Image



## Western Blot

Positive WB detected in: HEK293 whole cell lysate, 293T whole cell lysate, K562 whole cell lysate, A549 whole cell lysate All lanes: RPS19 antibody at 1:1000 Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 17 kDa Observed band size: 15-20 kDa

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Overlay Peak curve showing HepG2 cells stained with CSB-RA940350A0HU (red line) at 1:100. The cells were fixed in 4% formaldehyde and permeated by 0.2% TritonX-100. Then 10% normal goat serum to block non-specific proteinprotein interactions followed by the antibody (1ug/1\*10<sup>6</sup>cells) for 45min at 4?. The secondary antibody used was FITC-conjugated Goat Antirabbit IgG(H+L) at 1:200 dilution for 35min at 4?.Control antibody (green line) was rabbit IgG (1ug/1\*10<sup>6</sup>cells) used under the same conditions. Acquisition of >10,000 events was performed.

## Description

The production of the RPS19 recombinant monoclonal antibody follows a stringent and well-defined process to ensure its quality and specificity. Initially, B cells are isolated from an immunized animal using the synthesized peptide derived from human RPS19 as the immunogen. Total RNA is extracted from the harvested B cells and converted into cDNA through reverse transcription. The RPS19 antibody genes are then amplified using specific primers designed for the antibody constant regions and inserted into an expression vector. This vector is introduced into host cells to facilitate the production of the RPS19 recombinant monoclonal antibody. The antibody is harvested from the cell culture supernatant and undergoes purification using affinity chromatography, resulting in a highly purified form. To validate its specificity and functionality, the antibody undergoes comprehensive characterization assays, including ELISA, WB, and FC analysis, ensuring its accurate recognition of human RPS19 protein.