

# RPS20 Recombinant Rabbit mAb

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Catalog # AP94426

## Product Information

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<b>Application</b>	WB, IHC-P, IHC-F, IF
<b>Primary Accession</b>	<a href="#">P60866</a>
<b>Reactivity</b>	Human, Mouse, Rat
<b>Host</b>	Rabbit
<b>Clonality</b>	Recombinant
<b>Calculated MW</b>	13373
<b>Physical State</b>	Liquid
<b>Immunogen</b>	A synthesized peptide derived from human RPS20
<b>Epitope Specificity</b>	50-86
<b>Isotype</b>	IgG
<b>Purity</b>	affinity purified by Protein A
<b>Buffer</b>	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
<b>SUBCELLULAR LOCATION</b>	Cytoplasm
<b>SIMILARITY</b>	Belongs to the ribosomal protein S10P family.
<b>Important Note</b>	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
<b>Background Descriptions</b>	Mammalian ribosomal proteins are encoded by multigene families that consist of processed pseudogenes and one functional intron-containing gene within their coding regions. Ribosomal Protein S20, also known as RPS20, is a 119 amino acid cytoplasmic protein that is a component of the 40S ribosomal subunit. Co-transcribed with the small nucleolar RNA gene U54, Ribosomal Protein S20 is a primary binding protein (it binds independently to its target protein) that interacts with both the 5' and 3' minor domains of 16S ribosomal RNA (rRNA). Through its interactions with 16S rRNA, Ribosomal Protein S20 is thought to play a key role in nucleating the assembly of the 30S ribosomal subunit. Like most ribosomal protein-coding genes, the gene encoding Ribosomal Protein S20 is dispersed throughout the genome and exists as multiple processed pseudogenes.

## Additional Information

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<b>Gene ID</b>	6224
<b>Other Names</b>	Small ribosomal subunit protein uS10, 40S ribosomal protein S20, RPS20
<b>Dilution</b>	WB=1:500-2000,IHC-P=1:50-200,IHC-F=1:50-200,IF=1:50-200
<b>Storage</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

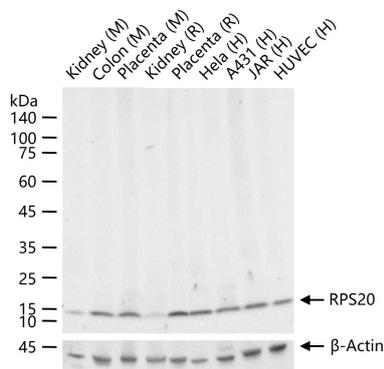
## Protein Information

<b>Name</b>	RPS20
<b>Function</b>	Component of the small ribosomal subunit (PubMed: <a href="#">23636399</a> ). The ribosome is a large ribonucleoprotein complex responsible for the synthesis of proteins in the cell (PubMed: <a href="#">23636399</a> ).
<b>Cellular Location</b>	Cytoplasm.

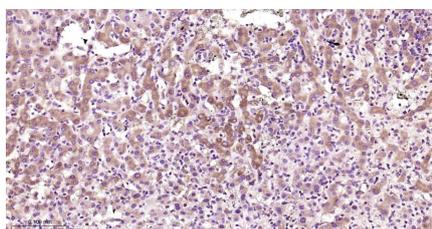
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## Images



25 ug total protein per lane of various lysates (see on figure) probed with RPS20 monoclonal antibody, unconjugated (AP94426) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.



Paraformaldehyde-fixed, paraffin embedded Human Liver; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with RPS20 Monoclonal Antibody, Unconjugated(AP94426) at 1:200 overnight at 4°C, followed by conjugation to the AP94426-HRP and DAB (C-0010) staining.

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