Product Datasheet

RPS3 Rabbit mAb

Catalog No: #48614

Package Size: #48614-1 50ul #48614-2 100ul

Signalway Antibody
Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

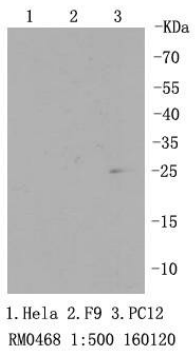
Description

Product Name	RPS3 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal
Clone No.	SA46-08
Purification	ProA affinity purified
Applications	WB, ICC, IHC
Species Reactivity	Hu, Ms, Rt
Immunogen Description	recombinant protein
Conjugates	Unconjugated
Other Names	40S ribosomal protein S3 antibody fb13d09 antibody FLJ26283 antibody FLJ27450 antibody IMR 90 ribosomal protein S3 antibody MGC56088 antibody MGC87870 antibody OTTHUMP00000229804 antibody OTTHUMP00000229805 antibody OTTHUMP00000229874 antibody OTTHUMP00000229877 antibody OTTHUMP00000229878 antibody OTTHUMP00000229879 antibody OTTHUMP00000229880 antibody OTTHUMP00000229882 antibody OTTHUMP00000229883 antibody OTTHUMP00000229886 antibody Ribosomal protein S3 antibody rps3 antibody RS3_HUMAN antibody S3 antibody wu:fb13d09 antibody zgc:56088 antibody
Accession No.	Swiss-Prot#:P23396
Calculated MW	27 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

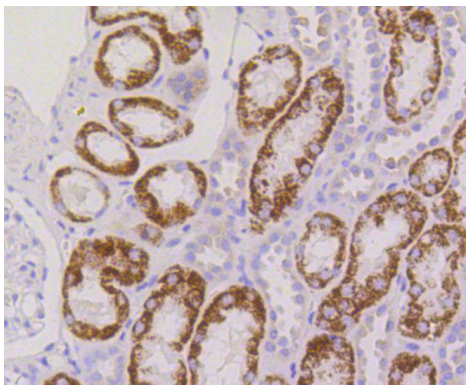
Application Details

WB: 1:500-1:1,000 IHC: 1:50-1:200ICC: 1:50-1:200

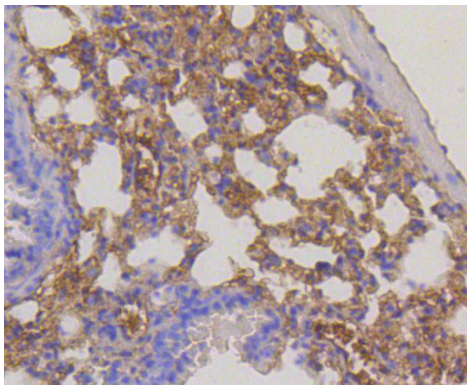
Images



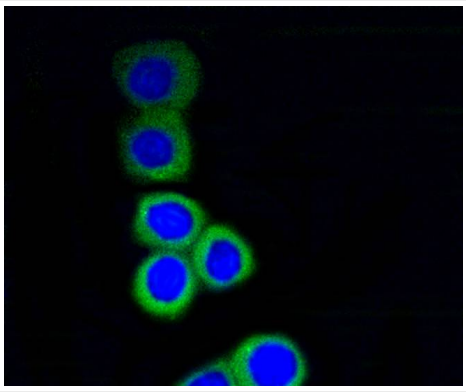
Western blot analysis of RPS3 on PC12 cell lysates using anti-RPS3 antibody at 1/500 dilution.



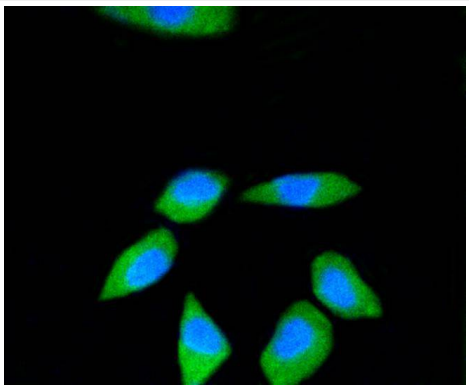
Immunohistochemical analysis of paraffin-embedded human kidney tissue using anti-RPS3 antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded mouse lung tissue using anti-RPS3 antibody. Counter stained with hematoxylin.



ICC staining RPS3 in N2A cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining RPS3 in SH-SY-5Y cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

Background

Ribosomal subunits are synthesized in the nucleus, and mature 40S and 60S subunits are exported stoichiometrically into the cytoplasm. Both 40S and 60S subunits are composed of four RNA species and approximately 80 structurally distinct proteins. Mitochondrial ribosomes consist of a small 28S subunit and a large 39S subunit. Ribosomal proteins have the ability to pass through the nuclear envelope in the native state, making them the largest of the structures accommodated by the nuclear pore complexes. The nuclear export of ribosomal subunits is a unidirectional, saturable and energy-dependent process. Ribosomal Protein S3 a member of the 40S subunit and plays a role in translation and ribosome maturation. Specifically, Ribosomal Protein S3 mediates the formation of the mRNA binding site 3 of the codon in the decoding site. In addition, Ribosomal Protein S3 is involved in DNA damage recognition as shown by its affinity for abasic sites and 7,8-dihydro-8-oxoguanine residues and its interaction with human

base excision repair (BER) proteins OGG1 and Ref-1.

References

Note: This product is for in vitro research use only and is not intended for use in humans or animals.