

RPS27 Antibody (N-Term)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP22097a-200 □

Specification

RPS27 Antibody (N-Term) - Product info

Application	WB, FC, IHC-P
Primary Accession	P42677
Other Accession	Q2KHT7 , Q6ZWU9 , Q71TY3
Reactivity	Human
Predicted	Bovine, Mouse, Rat
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit Ig
Clone Names	RB55893
Calculated MW	9461

RPS27 Antibody (N-Term) - Additional info

Gene ID 6232

Other Names

40S ribosomal protein S27, Metallopan-stimulin 1, MPS-1, RPS27, MPS1

Target/Specificity

This RPS27 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 5-37 amino acids from human RPS27.

Dilution

IHC-P~1:25

FC~1:25

WB~1:2000

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

RPS27 Antibody (N-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

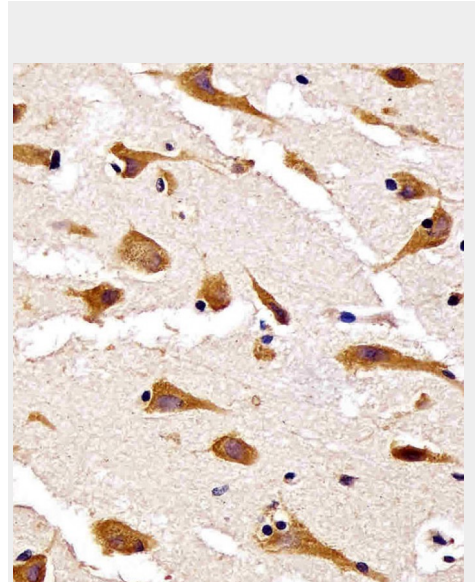
RPS27 Antibody (N-Term) - Protein Information

Name RPS27

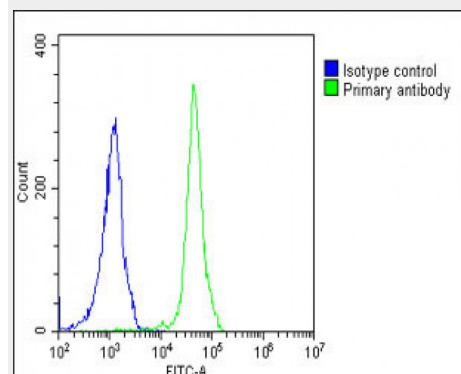
Synonyms MPS1

Function

Component of the small ribosomal subunit (PubMed:<a



AP22097a staining RPS27 in human brain tissue sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with formaldehyde and blocked with 3% BSA for 0.5 hour at room temperature; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody (1/25) for 1 hours at 37°C. A undiluted biotinylated goat polyvalent antibody was used as the secondary antibody.



Overlay histogram showing Jurkat cells stained with AP22097a (green line). The cells were fixed with 2% paraformaldehyde (10 min) and then permeabilized with 90% methanol for 10 min. The cells were then incubated in 2% bovine serum albumin to block

href="http://www.uniprot.org/citations/8706699" target="_blank">8706699). Required for proper rRNA processing and maturation of 18S rRNAs (PubMed:25424902).

Tissue Location

Expressed in a wide variety of actively proliferating cells and tumor tissues

RPS27 Antibody (N-Term) - Protocols

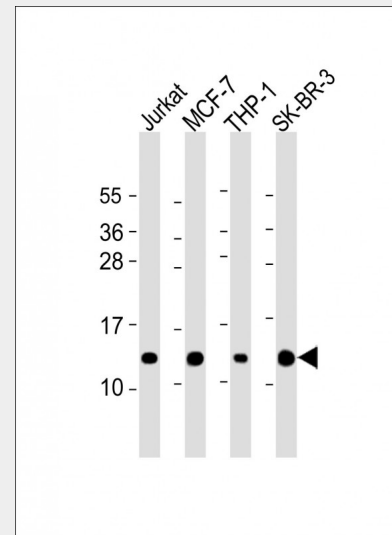
Provided below are standard protocols that you may find useful for product applications.

- [□ Western Blot](#)
- [□ Blocking Peptides](#)
- [□ Dot Blot](#)
- [□ Immunohistochemistry](#)
- [□ Immunofluorescence](#)
- [□ Immunoprecipitation](#)
- [□ Flow Cytometry](#)
- [□ Cell Culture](#)

RPS27 Antibody (N-Term) - References

Fernandez-Pol J.A., et al. J. Biol. Chem. 268:21198-21204(1993). Tsui S.K.W., et al. Biochem. Mol. Biol. Int. 40:611-616(1996). Yoshihama M., et al. Genome Res. 12:379-390(2002). Ota T., et al. Nat. Genet. 36:40-45(2004). Gregory S.G., et al. Nature 441:315-321(2006).

non-specific protein-protein interactions followed by the antibody (AP22097a, 1:25 dilution) for 60 min at 37°C. The secondary antibody used was Goat-Anti-Rabbit IgG, DyLight® 488 Conjugated Highly Cross-Adsorbed(OH191631) at 1/200 dilution for 40 min at 37°C. Isotype control antibody (blue line) was rabbit IgG1 (1µg/1x10⁶ cells) used under the same conditions. Acquisition of >10,000 events was performed.



All lanes : Anti-RPS27 Antibody (N-Term) at 1:2000 dilution Lane 1: Jurkat whole cell lysate Lane 2: MCF-7 whole cell lysate Lane 3: THP-1 whole cell lysate Lane 4: SK-BR-3 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 9 kDa Blocking/Dilution buffer: 5% NFDN/TBST.