

For Research Use Only

RPS27A Polyclonal antibody

Catalog Number: 14946-1-AP

7 Publications



Basic Information

Catalog Number:

14946-1-AP

Size:

150ul, Concentration: 400 ug/ml by Nanodrop and 293 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG6750

GenBank Accession Number:

BC001392

GeneID (NCBI):

6233

UNIPROT ID:

P62979

Full Name:

ribosomal protein S27a

Calculated MW:

18 kDa

Observed MW:

9 kDa, 18 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:200-1:1000

IHC 1:20-1:200

IF/ICC 1:50-1:500

Applications

Tested Applications:

WB, IHC, IF/ICC, FC (Intra), ELISA

Cited Applications:

WB, IF

Species Specificity:

human, mouse

Cited Species:

human, mouse

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : mouse cerebellum tissue, Jurkat cells

IHC : human endometrial cancer tissue, human cerebellum tissue

IF/ICC : HeLa cells,

Background Information

RPS27A, also named as UBA80 and UBCEP1, can be cleaved into two chains Ubiquitin and 40S ribosomal protein S27a. Ubiquitin is a highly conserved 76-amino acid protein that plays a key role in protein degradation. Ubiquitin is synthesized as precursor proteins that consist either of polyubiquitin chains that are cleaved into moieties of the UBB or UBC types, or single ubiquitin moieties fused 5-prime to unrelated carboxyl extension proteins (UBA type) such as UBA52 and UBA80 (RPS27A) [PMID:10772958]

Notable Publications

Author	Pubmed ID	Journal	Application
Ruochen Zhang	34966246	Mediators Inflamm	WB
Yuan Tian	24367661	PLoS One	WB
Honghao Bi	39464073	bioRxiv	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

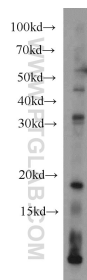
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

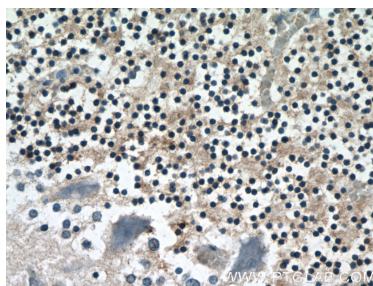
E: proteintech@ptglab.com
W: ptglab.com

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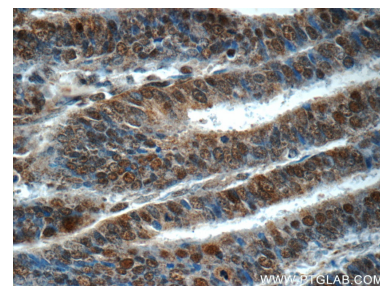
Selected Validation Data



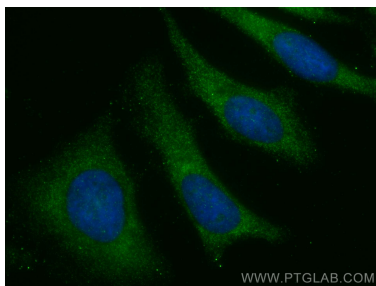
mouse cerebellum tissue were subjected to SDS PAGE followed by western blot with 14946-1-AP (RPS27A antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



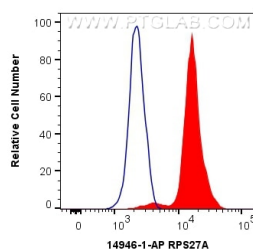
Immunohistochemical analysis of paraffin-embedded human cerebellum tissue slide using 14946-1-AP (RPS27A Antibody) at dilution of 1:50 (under 40x Lens).



Immunohistochemical analysis of paraffin-embedded human endometrial cancer tissue slide using 14946-1-AP (RPS27A Antibody) at dilution of 1:50 (under 40x Lens).



Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using RPS27A antibody (14946-1-AP) at dilution of 1:200 and Coralite®488-Conjugated Goat Anti-Rabbit IgG(H+L).



1X10⁶ HeLa cells were intracellularly stained with 0.4 ug Anti-Human RPS27A (14946-1-AP) and Coralite®488-Conjugated Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Isotype Control. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).