

For Research Use Only

RPS27A Polyclonal antibody

Catalog Number: 14946-1-AP **7 Publications**



Basic Information

Catalog Number: 14946-1-AP	GenBank Accession Number: BC001392	Purification Method: Antigen affinity purification
Size: 400 µg/ml	GeneID (NCBI): 6233	Recommended Dilutions: WB 1:200-1:1000 IHC 1:20-1:200 IF/ICC 1:50-1:500
Source: Rabbit	UNIPROT ID: P62979	
Isotype: IgG	Full Name: ribosomal protein S27a	
Immunogen Catalog Number: AG6750	Calculated MW: 18 kDa	
	Observed MW: 9 kDa, 18 kDa	

Applications

Tested Applications: WB, IHC, IF/ICC, FC (Intra), ELISA	Positive Controls: WB : mouse cerebellum tissue, Jurkat cells IHC : human endometrial cancer tissue, human cerebellum tissue IF/ICC : HeLa cells,
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	

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

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

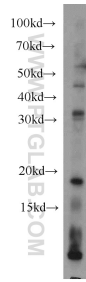
T: 4006900926

E: Proteintech-CN@ptglab.com

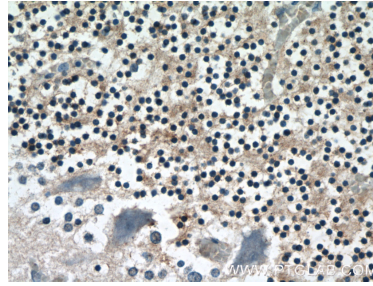
W: ptgcn.com

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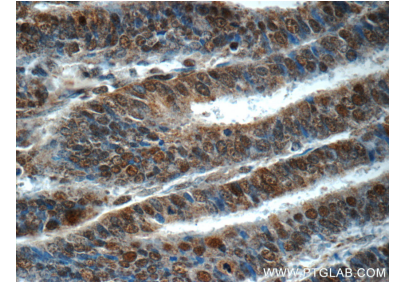
Selected Validation Data



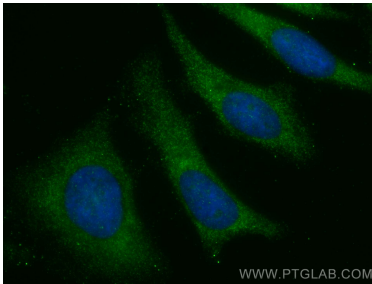
mouse cerebellum tissue were subjected to SDS PAGE followed by western blot with 14946-1-AP (RPS27A antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



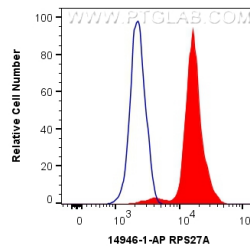
Immunohistochemical analysis of paraffin-embedded human cerebellum tissue slide using 14946-1-AP (RPS27A Antibody) at dilution of 1:50 (under 40x lens).



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).