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RPL17 Rabbit pAb

Catalog No.: A5934

Basic Information

Observed MW
21kDa

Calculated MW
17kDa/21kDa/26kDa

Category
Primary antibody

Applications
WB,IHC,IF/ICC

Cross-Reactivity
Human, Mouse, Rat

Background

Ribosomes, the organelles that catalyze protein synthesis, consist of a small 40S subunit and a large 60S subunit. Together these subunits are composed of 4 RNA species and approximately 80 structurally distinct proteins. This gene encodes a ribosomal protein that is a component of the 60S subunit. The protein belongs to the L22P family of ribosomal proteins. It is located in the cytoplasm. This gene has been referred to as rpL23 because the encoded protein shares amino acid identity with ribosomal protein L23 from Halobacterium marismortui; however, its official symbol is RPL17. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed through the genome. Alternative splicing results in multiple transcript variants. Read-through transcription also exists between this gene and the neighboring downstream C18orf32 (chromosome 18 open reading frame 32) gene.

Recommended Dilutions

WB	1:200 - 1:2000
IHC	1:50 - 1:200
IF/ICC	1:50 - 1:200

Immunogen Information

Gene ID
6139

Swiss Prot
P18621

Immunogen
Recombinant fusion protein containing a sequence corresponding to amino acids 1-184 of human RPL17 (NP_000976.1).

Synonyms
RPL17;L17;PD-1;RPL23

Contact

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Product Information

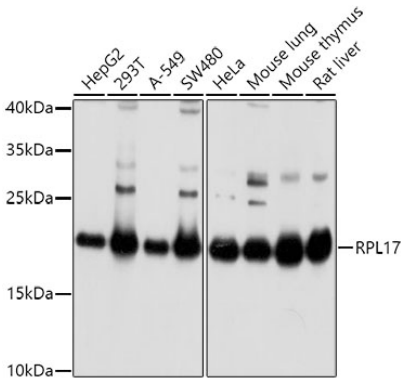
Source
Rabbit

Isotype
IgG

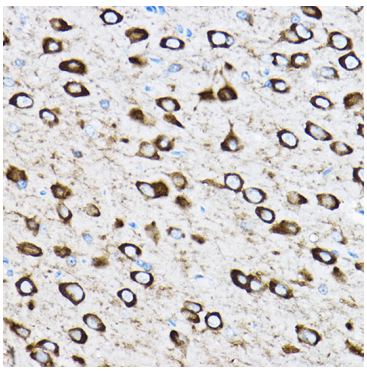
Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.

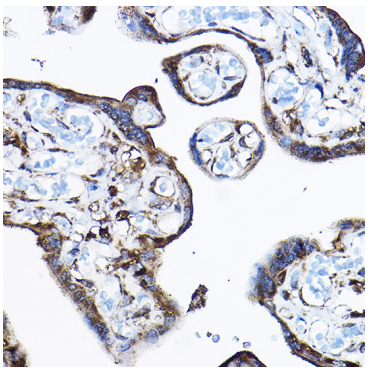
Validation Data



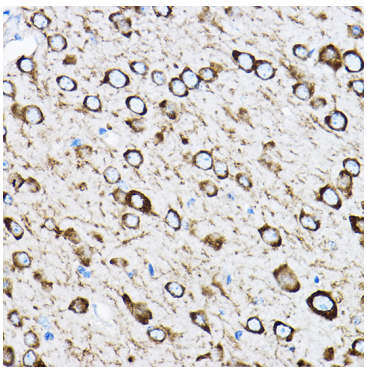
Western blot analysis of extracts of various cell lines, using RPL17 antibody (A5934) at 1:1000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25ug per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 5s.



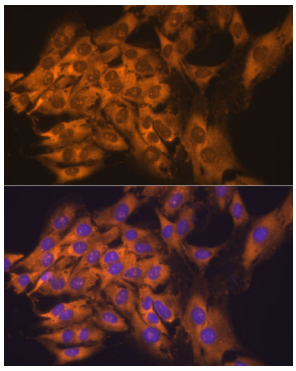
Immunohistochemistry of paraffin-embedded rat brain using RPL17 Rabbit pAb (A5934) at dilution of 1:100 (40x lens).Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



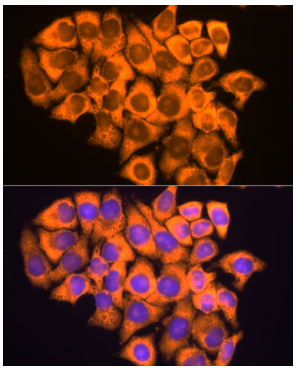
Immunohistochemistry of paraffin-embedded human placenta using RPL17 Rabbit pAb (A5934) at dilution of 1:100 (40x lens).Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



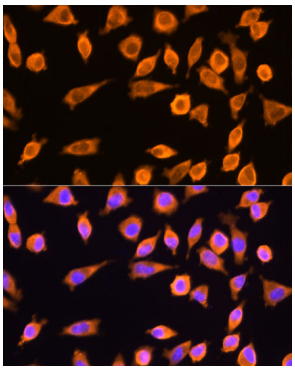
Immunohistochemistry of paraffin-embedded mouse brain using RPL17 Rabbit pAb (A5934) at dilution of 1:100 (40x lens).Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Immunofluorescence analysis of C6 cells using RPL17 antibody (A5934) at dilution of 1:100. Blue: DAPI for nuclear staining.

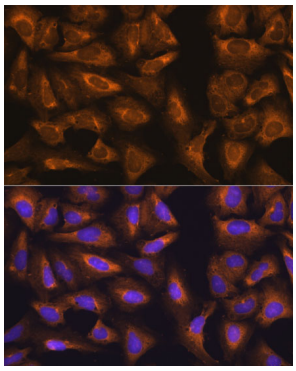


Immunofluorescence analysis of HeLa cells using RPL17 antibody (A5934) at dilution of 1:100. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of L929 cells using RPL17 antibody (A5934) at dilution of 1:100. Blue: DAPI for nuclear staining.

Validation Data



Immunofluorescence analysis of U-2 OS cells using RPL17 antibody (A5934) at dilution of 1:100. Blue: DAPI for nuclear staining.

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