ABclonal™ Technology®

RPL23 Rabbit pAb

Catalog No.: A4292

Basic Information

Observed MW
15kDa

Calculated MW
14kDa

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 L14P family of ribosomal proteins. It is located in the cytoplasm. This gene has been referred to as rpL17 because the encoded protein shares amino acid identity with ribosomal protein L17 from Saccharomyces cerevisiae; however, its official symbol is RPL23. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed through the genome.

Recommended Dilutions

WB	1:500 - 1:4000
IHC	1:50 - 1:200
IF/ICC	1:50 - 1:200

Immunogen Information

Gene ID
9349

Swiss Prot
P62829

Immunogen
Recombinant fusion protein containing a sequence corresponding to amino acids 1-140 of human RPL23 (NP_000969.1).

Synonyms
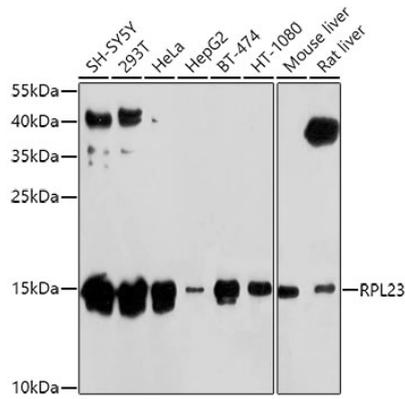RPL23;L23;rpL17

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

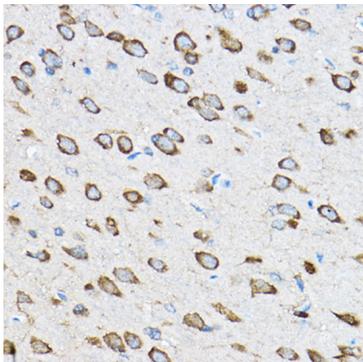Western blot analysis of extracts of various cell lines, using RPL23 antibody (A4292) at 1:1000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
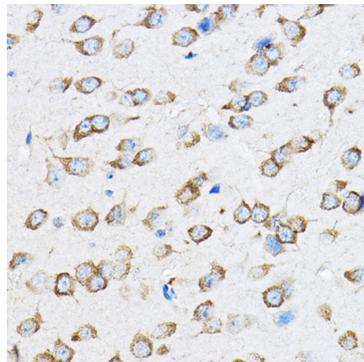Lysates/proteins: 25ug per lane.
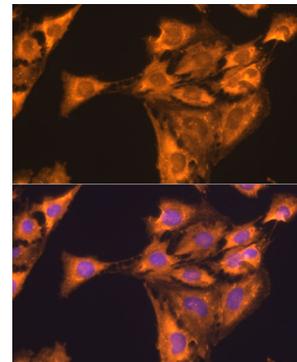Blocking buffer: 3% nonfat dry milk in TBST.
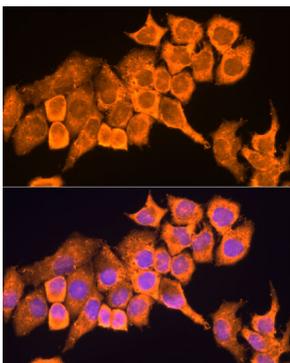Detection: ECL Basic Kit (RM00020).
Exposure time: 5s.

Immunohistochemistry of paraffin-embedded rat brain using RPL23 Rabbit pAb (A4292) 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.
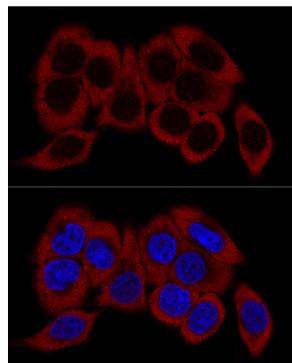

Immunohistochemistry of paraffin-embedded mouse brain using RPL23 Rabbit pAb (A4292) at dilution of 1:100 (40x lens).Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.

Immunofluorescence analysis of C6 cells using RPL23 antibody (A4292) at dilution of 1:100. Blue: DAPI for nuclear staining.

Immunofluorescence analysis of HeLa cells using RPL23 antibody (A4292) at dilution of 1:100. Blue: DAPI for nuclear staining.

Confocal immunofluorescence analysis of HeLa cells using RPL23 Polyclonal Antibody (A4292) at dilution of 1:200. Blue: DAPI for nuclear staining.