

RPS24 Rabbit pAb

Catalog No.: A12123 **2 Publications**

Basic Information

Observed MW

19kDa

Calculated MW

15kDa

Category

Primary antibody

Applications

ELISA, WB, IHC-P, IP

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 40S subunit. The protein belongs to the S24E family of ribosomal proteins. It is located in the cytoplasm. Multiple transcript variants encoding different isoforms have been found for this gene. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed through the genome. Mutations in this gene result in Diamond-Blackfan anemia.

Recommended Dilutions

WB 1:500 - 1:2000

IHC-P 1:50 - 1:200

IP 0.5µg-4µg antibody for
200µg-400µg extracts of
whole cells

Immunogen Information

Gene ID

6229

Swiss Prot

P62847

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 1-130 of human RPS24 (NP_148982.1).

Synonyms

S24; DBA3; eS24; RPS24

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

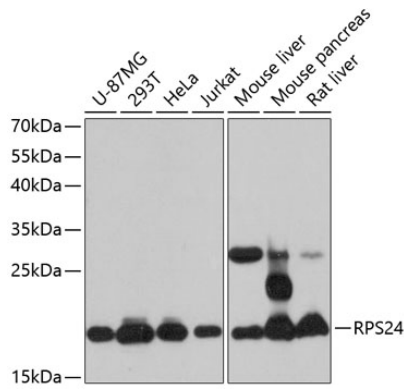
Affinity purification

Storage

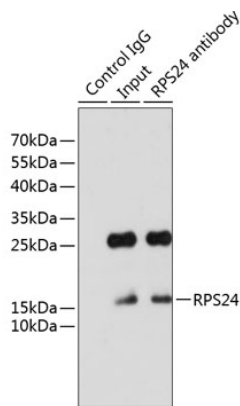
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.01% thimerosal, 50% glycerol, pH7.3.

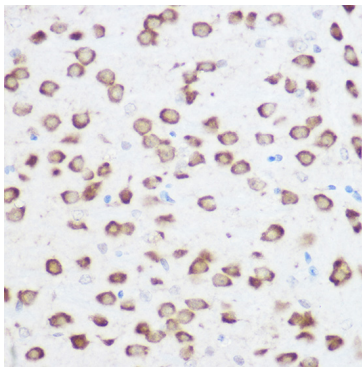
Validation Data



Western blot analysis of various lysates using RPS24 Rabbit pAb (A12123) at 1:3000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 30s.



Immunoprecipitation analysis of 200 µg extracts of HeLa cells using 3 µg RPS24 antibody (A12123). Western blot was performed from the immunoprecipitate using RPS24 antibody (A12123) at a dilution of 1:1000.



Immunohistochemistry analysis of paraffin-embedded rat brain using RPS24 Rabbit pAb (A12123) at dilution of 1:200 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.