

Datasheet for ABIN651720
anti-RPS3A antibody (C-Term)

3 Images

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Overview

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|----------------------|---|
| Quantity: | 400 µL |
| Target: | RPS3A |
| Binding Specificity: | AA 228-254, C-Term |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This RPS3A antibody is un-conjugated |
| Application: | Western Blotting (WB), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)) |

Product Details

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|-----------------------|--|
| Immunogen: | This RPS3A antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 228-254 amino acids from the C-terminal region of human RPS3A. |
| Clone: | RB21295 |
| Isotype: | Ig Fraction |
| Predicted Reactivity: | X, B, Pr, M, Rat |
| Purification: | This antibody is purified through a protein A column, followed by peptide affinity purification. |

Target Details

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|---------|-------|
| Target: | RPS3A |
|---------|-------|

Target Details

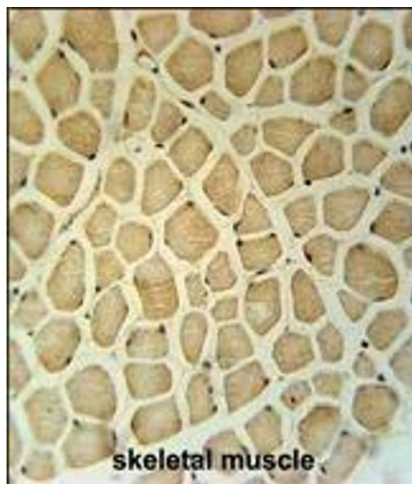
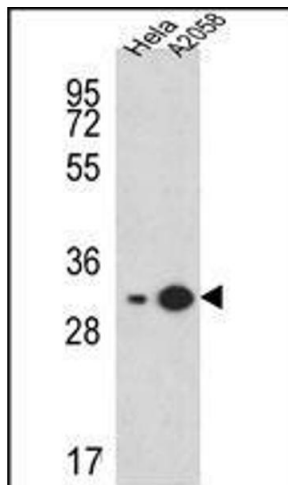
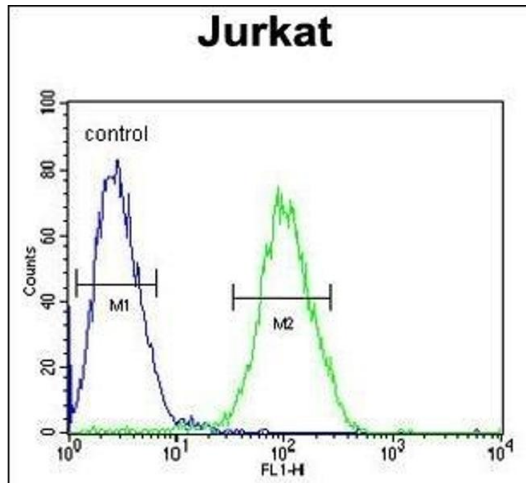
| | |
|-------------------|---|
| Alternative Name: | RPS3A (RPS3A Products) |
| Background: | Ribosomes, the organelles that catalyze protein synthesis, consist of a small 40S subunit and a large 60S subunit. Together these subunits are composed of 4 RNA species and approximately 80 structurally distinct proteins. This gene encodes a ribosomal protein that is a component of the 40S subunit. The protein belongs to the S3AE family of ribosomal proteins. It is located in the cytoplasm. Disruption of the gene encoding rat ribosomal protein S3a, also named v-fos transformation effector protein, in v-fos-transformed rat cells results in reversion of the transformed phenotype. Transcript variants utilizing alternative transcription start sites have been described. This gene is co-transcribed with the U73A and U73B small nucleolar RNA genes, which are located in its fourth and third introns, respectively. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed through the genome. |
| Molecular Weight: | 29945 |
| Gene ID: | 6189 |
| NCBI Accession: | NP_000997 |
| UniProt: | P61247 |

Application Details

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| Application Notes: | WB: 1:1000. IHC-P: 1:50~100. FC: 1:10~50 |
| Restrictions: | For Research Use only |

Handling

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| Format: | Liquid |
| Buffer: | Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide. |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage: | 4 °C, -20 °C |
| Storage Comment: | Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles. |
| Expiry Date: | 6 months |



Flow Cytometry

Image 1. RPS3A Antibody (C-term) (ABIN651720 and ABIN2840374) flow cytometric analysis of Jurkat cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Western Blotting

Image 2. RPS3A Antibody (C-term) (ABIN651720 and ABIN2840374) western blot analysis in HeLa, cell line lysates (15 µg/lane). This demonstrates the RPS3A antibody detected the RPS3A protein (arrow).

Immunohistochemistry (Paraffin-embedded Sections)

Image 3. RPS3A Antibody (C-term) (ABIN651720 and ABIN2840374) immunohistochemistry analysis in formalin fixed and paraffin embedded human skeletal muscle followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the RPS3A Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.