

Datasheet for ABIN2789861
anti-RPS27 antibody (N-Term)[Go to Product page](#)

1 Image

Overview

| | |
|----------------------|---|
| Quantity: | 100 µL |
| Target: | RPS27 |
| Binding Specificity: | N-Term |
| Reactivity: | Human, Rat, Mouse, Cow, Dog, Guinea Pig, Rabbit, Horse, Zebrafish (Danio rerio) |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This RPS27 antibody is un-conjugated |
| Application: | Western Blotting (WB) |

Product Details

| | |
|-----------------------|---|
| Sequence: | DLLHPSPEEE KRKHKKKRLV QSPNSYFMDV KCPGCKYKITT VFSHAQTVVL |
| Predicted Reactivity: | Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 86%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Zebrafish: 86% |
| Characteristics: | This is a rabbit polyclonal antibody against RPS27. It was validated on Western Blot. |
| Purification: | Affinity Purified |

Target Details

| | |
|-------------------|---|
| Target: | RPS27 |
| Alternative Name: | RPS27 (RPS27 Products) |
| Background: | Ribosomes, the organelles that catalyze protein synthesis, consist of a small 40S subunit and a |

Target Details

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 S27E family of ribosomal proteins. It contains a C4-type zinc finger domain that can bind to zinc. The encoded protein has been shown to be able to bind to nucleic acid. It is located in the cytoplasm as a ribosomal component, but it has also been detected in the nucleus. Studies in rat indicate that ribosomal protein S27 is located near ribosomal protein S18 in the 40S subunit and is covalently linked to translation initiation factor eIF3. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed through the genome.

Alias Symbols: MPS-1, MPS1, S27

Protein Interaction Partner: UBC, TUBGCP3, AURKB, TP53, AURKA, TUBGCP4, SUMO1, NEDD8, ASB3, ZBTB1, EIF3CL, WIBG, PNO1, TSR1, RPS27L, SND1, RPL35, HNRNPA0, GNB2L1, RANBP9, EIF3D, RPS28, RPS26, RPS24, RPS23, RPS20, RPS18, RPS16, RPS15A, RPS14, RPS13, RPS12, RPS10, RPS9, RPS8, RPS7, RPS

Protein Size: 84

| | |
|-------------------|-------|
| Molecular Weight: | 9 kDa |
|-------------------|-------|

| | |
|----------|------|
| Gene ID: | 6232 |
|----------|------|

| | |
|-----------------|---|
| NCBI Accession: | NM_001030 , NP_001021 |
|-----------------|---|

| | |
|----------|------------------------|
| UniProt: | Q5T4L6 |
|----------|------------------------|

Application Details

| | |
|--------------------|--|
| Application Notes: | Optimal working dilutions should be determined experimentally by the investigator. |
|--------------------|--|

| | |
|----------|---------------------|
| Comment: | Antigen size: 84 AA |
|----------|---------------------|

| | |
|---------------|-----------------------|
| Restrictions: | For Research Use only |
|---------------|-----------------------|

Handling

| | |
|---------|--------|
| Format: | Liquid |
|---------|--------|

| | |
|----------------|--------------|
| Concentration: | Lot specific |
|----------------|--------------|

| | |
|---------|---|
| Buffer: | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose. |
|---------|---|

| | |
|---------------|--------------|
| Preservative: | Sodium azide |
|---------------|--------------|

Handling

| | |
|--------------------|---|
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Handling Advice: | Avoid repeated freeze-thaw cycles. |
| Storage: | -20 °C |
| Storage Comment: | For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles. |

Images



Rabbit Anti-RPS27 Antibody
Catalog Number: ARP64523
Lot Number: QC35142
Lane: Fetal Liver Lysate

Antibody Titration: 1.0µg/ml
Gel Concentration: 10-20%

Western Blotting
Image 1.