

Datasheet for ABIN2855033

**anti-RPS27A antibody**[Go to Product page](#)**1** Image

## Overview

Quantity:	100 µL
Target:	RPS27A
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RPS27A antibody is un-conjugated
Application:	Immunofluorescence (IF), Immunocytochemistry (ICC)

## Product Details

Immunogen:	Recombinant protein encompassing a sequence within the center region of human RPS27A. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Human
Characteristics:	Rabbit Polyclonal antibody to RPS27A (ribosomal protein S27a) RPS27A antibody
Purification:	Purified by antigen-affinity chromatography.

## Target Details

Target:	RPS27A
Alternative Name:	ribosomal protein S27a ( <a href="#">RPS27A Products</a> )

## Target Details

**Background:** Ubiquitin, a highly conserved protein that has a major role in targeting cellular proteins for degradation by the 26S proteasome, is synthesized as a precursor protein consisting of either polyubiquitin chains or a single ubiquitin fused to an unrelated protein. This gene encodes a fusion protein consisting of ubiquitin at the N terminus and ribosomal protein S27a at the C terminus. When expressed in yeast, the protein is post-translationally processed, generating free ubiquitin monomer and ribosomal protein S27a. Ribosomal protein S27a is a component of the 40S subunit of the ribosome and belongs to the S27AE family of ribosomal proteins. It contains C4-type zinc finger domains and is located in the cytoplasm. Pseudogenes derived from this gene are present in the genome. As with ribosomal protein S27a, ribosomal protein L40 is also synthesized as a fusion protein with ubiquitin, similarly, ribosomal protein S30 is synthesized as a fusion protein with the ubiquitin-like protein fubi. Multiple alternatively spliced transcript variants that encode the same proteins have been identified.

**Molecular Weight:** 18 kDa

**Gene ID:** 6233

**UniProt:** [P62979](#)

**Pathways:** [Fc-epsilon Receptor Signaling Pathway](#), [EGFR Signaling Pathway](#), [Neurotrophin Signaling Pathway](#), [Activation of Innate immune Response](#), [Mitotic G1-G1/S Phases](#), [DNA Replication](#), [Toll-Like Receptors Cascades](#), [Synthesis of DNA](#), [EGFR Downregulation](#)

## Application Details

**Application Notes:** ICC/IF: 1:100-1:1000. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications.

**Restrictions:** For Research Use only

## Handling

**Format:** Liquid

**Concentration:** 0.4 mg/mL

**Buffer:** 0.1M Tris-Glycine ( pH 7), 10 % Glycerol, 0.01 % Thimerosal

**Preservative:** Thimerosal (Merthiolate)

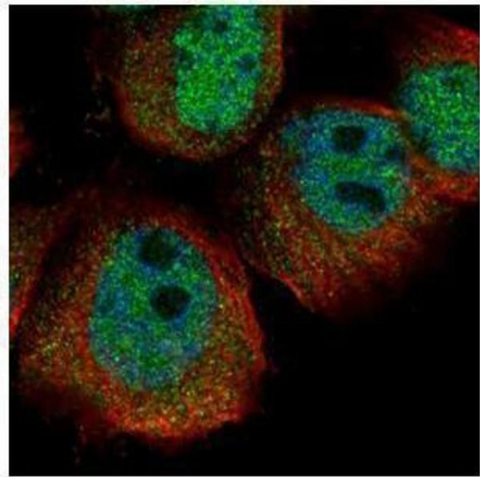
**Precaution of Use:** This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Handling

Storage: 4 °C, -20 °C

Storage Comment: Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

## Images



### Immunofluorescence

**Image 1.** ICC/IF Image Confocal immunofluorescence analysis (Olympus FV10i) of paraformaldehyde-fixed A431, using RPS27A, antibody (Green) at 1:500 dilution. Alpha-tubulin filaments were labeled with (Red) at 1:2000.