

## RPS27A Antibody

CAB2027

### Description

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This RPS27A Antibody is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

### Product Information

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|----------------------|----------------------------------------------------------------|
| <b>SKU:</b>          | CAB2027                                                        |
| <b>Contents:</b>     | 20 $\mu$ L, 100 $\mu$ L<br>Bradford Reagent: 1 vial (2ml)      |
| <b>Category:</b>     | Polyclonal Antibody                                            |
| <b>Synonyms:</b>     | UBC, S27A, eS31, CEP80, UBA80, HEL112, UBCEP1, UBCEP80, RPS27A |
| <b>Clone:</b>        | -                                                              |
| <b>Applications:</b> | WB IHC-P IF/ICC ELISA                                          |
| <b>Conjugation:</b>  | Unconjugated                                                   |
| <b>Reactivity:</b>   | Human, Mouse, Rat                                              |

### Antibody Data

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|                       |                       |
|-----------------------|-----------------------|
| <b>Gene ID:</b>       | 6233                  |
| <b>Uniprot:</b>       | AB_2764051            |
| <b>Host Species:</b>  | Rabbit                |
| <b>Purification:</b>  | Affinity purification |
| <b>Observed MW:</b>   | 18kDa                 |
| <b>Calculated MW:</b> | 18kDa                 |

## Preparation & Storage

**Storage:** Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS containing 50% glycerol, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

Store Bradford Reagent at Room Temperature for 1 Year.

**Positive Sample:** 293F

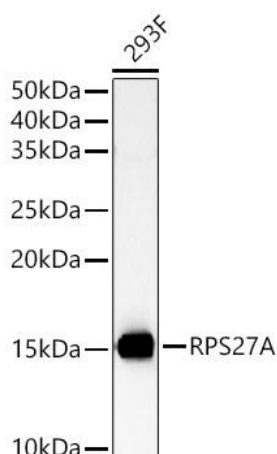
**Recommended Dilutions:**

|               |                                                                                                                             |
|---------------|-----------------------------------------------------------------------------------------------------------------------------|
| <b>WB</b>     | 1:500 - 1:2000                                                                                                              |
| <b>IHC-P</b>  | 1:50 - 1:200                                                                                                                |
| <b>IF/ICC</b> | 1:50 - 1:200                                                                                                                |
| <b>ELISA</b>  | Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements. |

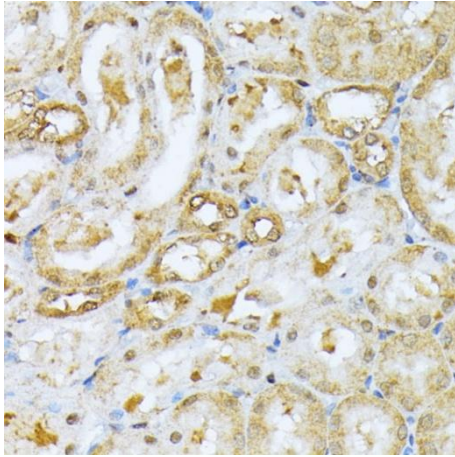
**Protein Quantification (Optional):**

To quantify total protein levels, use the Bradford Reagent included in this kit. Visit <https://www.assaygenie.com/bradford-protein-assay-protocol/> to view the full protocol

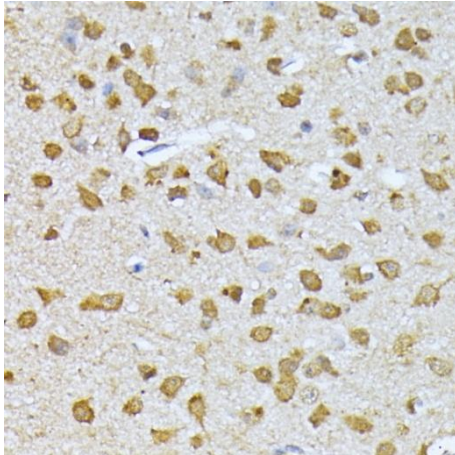
## Validation Data



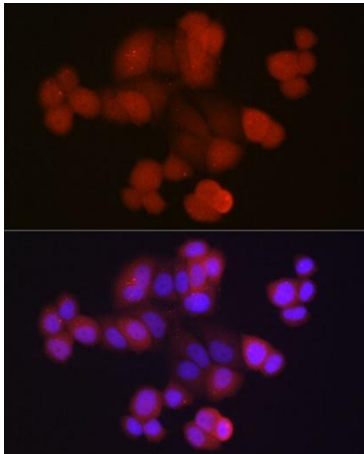
Western blot analysis of lysates from 293F cells using RPS27A Rabbit pAb (CAB2027) at 1:400 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (AbGn00020). Exposure time: 180s.



Immunohistochemistry analysis of paraffin-embedded Rat kidney using RPS27A Rabbit pAb (CAB2027) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Mouse brain using RPS27A Rabbit pAb (CAB2027) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.



Immunofluorescence analysis of cells using RPS27A Rabbit pAb (CAB2027) at dilution of 1:50 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (CABS007) at 1:500 dilution. Blue: DAPI for nuclear staining.