

**DATASHEET**

**RIMS4 Rabbit Polyclonal Antibody**

CAT. NO. APA10284

**KEY FEATURES**

|               |                                                                                                           |               |                     |
|---------------|-----------------------------------------------------------------------------------------------------------|---------------|---------------------|
| Target        | RIMS4                                                                                                     | Source / Host | Rabbit              |
| Reactivity    | Human, Mouse, Rat                                                                                         | Clonality     | Polyclonal          |
| Applications  | WB, IHC, IF/ICC                                                                                           | Conjugation   | Unconjugated        |
| Form / Buffer | Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide. |               | Storage<br>at -20°C |

**BACKGROUND**

Regulates synaptic membrane exocytosis.

**APPLICATION**

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

|        |                |
|--------|----------------|
| WB     | 1:500 - 1:1000 |
| IHC    | 1:100 - 1:200  |
| IF/ICC | 1:50 - 1:200   |

\*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

**PRODUCT OVERVIEW**

|                   |                                                                                                                                      |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| Description       | Rabbit polyclonal antibody to RIMS4                                                                                                  |
| Specificity       | Recognizes endogenous levels of RIMS4 protein.                                                                                       |
| Antibody Type     | Primary antibody                                                                                                                     |
| Immunogen         | KLH-conjugated synthetic peptide encompassing a sequence within the center region of human RIMS4. The exact sequence is proprietary. |
| Purification      | The antibody was purified by immunogen affinity chromatography.                                                                      |
| Molecular Weight  | Predicted: 29 kD; Observed: 36 kD                                                                                                    |
| Form/Buffer       | Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.                            |
| Alternative Names | C20orf190; Regulating synaptic membrane exocytosis protein 4; RIM4 gamma; Rab3-interacting molecule 4; RIM 4                         |
| Gene Symbol       | RIMS4                                                                                                                                |
| Entrez Gene       | 140730(Human); 241770(Mouse); 266976(Rat)                                                                                            |
| SwissProt         | Q9H426(Human); P60191(Mouse); Q8CIX1(Rat)                                                                                            |

\*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact [info@arexbio.com](mailto:info@arexbio.com) or your local distributor.

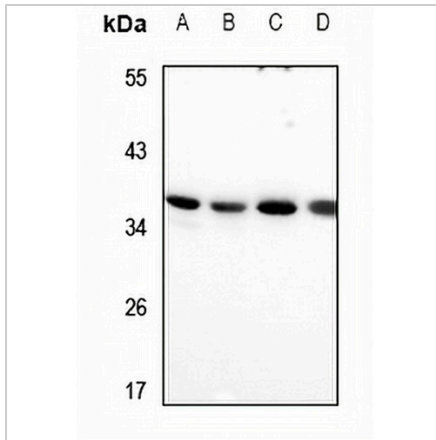
\*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

**DATASHEET**

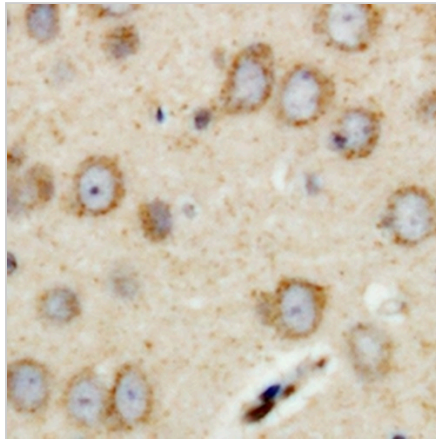
**RIMS4 Rabbit Polyclonal Antibody**

CAT. NO. APA10284

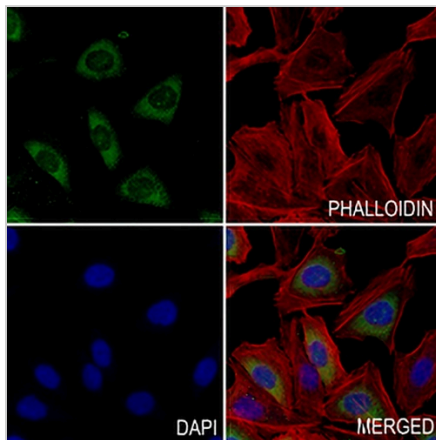
**DATA**



Western blot analysis of RIMS4 expression in BV2 (A), PMVEC (B), A549 (C), LOVO (D) whole cell lysates. (Predicted band size: 29 kD; Observed band size: 36 kD)



Immunohistochemical analysis of RIMS4 staining in human brain formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of RIMS4 staining in MCF7 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a hidified chamber. Cells were washed with PBST and incubated with a AREX® Fluor 488 -conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AREX® Fluor 594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

**STORAGE**

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

**NOTE**

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.