For research purposes only, not for human use

# Product Data Sheet

# Anti-GPR18 Antibody

| Catalog # | Source | Reactivity | Applications |
|---|---|---|---|
| CPA1489 | Rabbit | H, M, R, Mk | WB, IF/IC |

| | |
|---|---|
| **Description** | Rabbit polyclonal antibody to GPR18 |
| **Immunogen** | KLH-conjugated synthetic peptide encompassing a sequence within the center region of human GPR18. The exact sequence is proprietary. |
| **Purification** | The antibody was purified by immunogen affinity chromatography. |
| **Specificity** | Recognizes endogenous levels of GPR18 protein. |
| **Clonality** | Polyclonal |
| **Conjugation** | |
| **Form** | Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide. |
| **Dilution** | WB (1/500 - 1/1000), IF/IC (1/100 - 1/500) |
| **Gene Symbol** | GPR18 |
| **Alternative Names** | GPCRW; N-arachidonyl glycine receptor; NAGly receptor; G-protein coupled receptor 18 |
| **Entrez Gene** | 2841 (Human); 110168 (Mouse); 679957 (Rat) |
| **SwissProt** | Q14330 (Human); Q8K1Z6 (Mouse); A1A5S3 (Rat) |
| **Storage/Stability** | Shipped at 4°C. Upon delivery aliquot and store at -20°C for one year. Avoid freeze/thaw cycles. |

**Application key:** E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference
**Species reactivity key:** H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish


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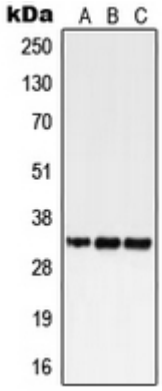
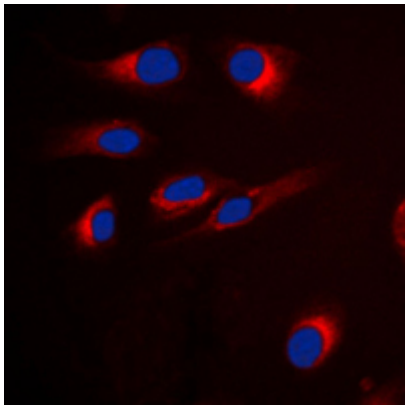



Western blot analysis of GPR18 expression in HEK293T (A), SP2/0 (B), H9C2 (C) whole cell lysates. (Predicted band size: 38 kD; Observed band size: 34 kD)



Immunofluorescent analysis of GPR18 staining in H9C2 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 humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).

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