

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		
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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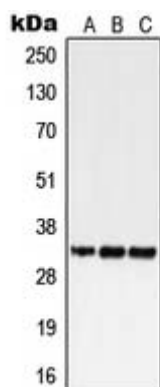
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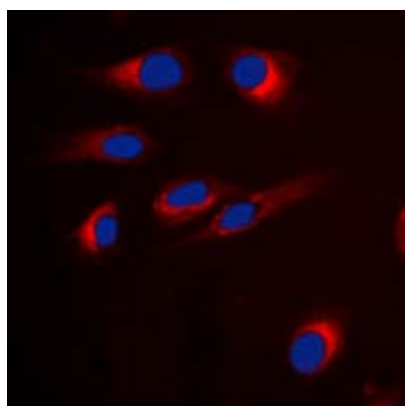
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Western blot analysis of GPR18 expression in HEK293T (A), SP20 (B), H9C2 (C) whole cell lysates.



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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