

Anti-GPR48 Antibody

Catalog #	Source	Reactivity	Applications
CPA5706	Rabbit	H, M, R	WB, IF/IC
Description	Rabbit polyclonal antibody to GPR48		
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human GPR48. The exact sequence is proprietary.		
Purification	The antibody was purified by immunogen affinity chromatography.		
Specificity	Recognizes endogenous levels of GPR48 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	LGR4		
Alternative Names	GPR48; Leucine-rich repeat-containing G-protein coupled receptor 4; G-protein coupled receptor 48		
Entrez Gene	55366 (Human); 107515 (Mouse); 286994 (Rat)		
SwissProt	Q9BXB1 (Human); A2ARI4 (Mouse); Q9Z2H4 (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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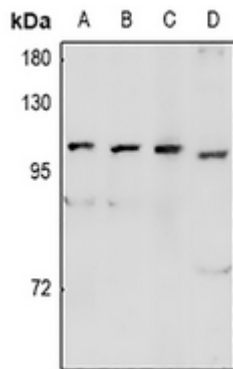
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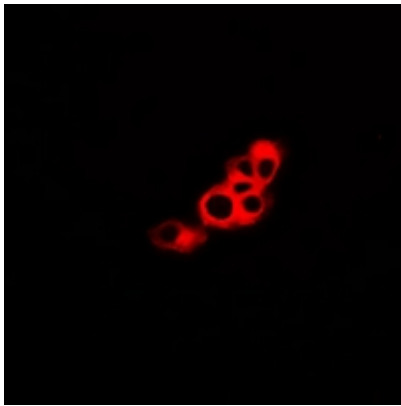
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Product Data Sheet



Western blot analysis of GPR48 expression in HEK293T (A), PC3 (B), SP20 (C), PC12 (D) whole cell lysates. (Predicted band size: 104 kDa; Observed band size: 104 kDa)



Immunofluorescent analysis of GPR48 staining in LOVO 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 Alexa Fluor 647-conjugated secondary antibody (red) in PBS at room temperature in the dark.

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