

Anti-GPER Antibody

Catalog #	Source	Reactivity	Applications
CQA4595	Rabbit	H, M, R	WB, IF/IC
Description	Rabbit polyclonal antibody to GPER		
Immunogen	Recombinant fusion protein of human GPER. The exact sequence is proprietary.		
Purification	The antibody was purified by immunogen affinity chromatography.		
Specificity	Recognizes endogenous levels of GPER 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 (1/50 - 1/200)		
Gene Symbol	GPER1		
Alternative Names	CEPR; CMKRL2; DRY12; GPER; GPR30; G-protein coupled estrogen receptor 1; Chemoattractant receptor-like 2; Flow-induced endothelial G-protein coupled receptor 1; FEG-1; G protein-coupled estrogen receptor 1; G-protein coupled receptor 30; GPCR-Br; IL8-related receptor DRY12; Lymphocyte-derived G-protein coupled receptor; LYGPR; Membrane estrogen receptor; mER		
Entrez Gene	2852 (Human); 76854 (Mouse); 171104 (Rat)		
SwissProt	Q99527 (Human); Q8BMP4 (Mouse); O08878 (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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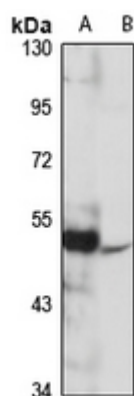
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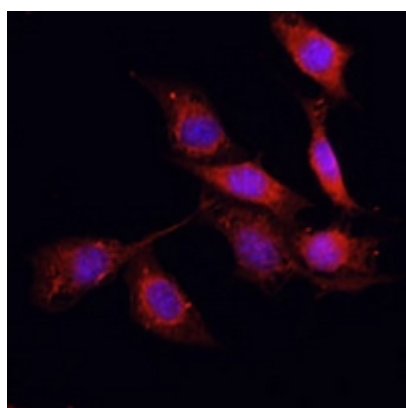
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Product Data Sheet



Western blot analysis of GPER expression in HeLa (A), rat lung (B) whole cell lysates. (Predicted band size: 42 kD; Observed band size: 52 kD)



Immunofluorescent analysis of GPER staining in U2OS 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 Alexa Fluor 594-conjugated secondary antibody (red) in PBS at room temperature in the dark.

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