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Product Data Sheet

Anti-GRP Antibody

Catalog #	Source	Reactivity	Applications
CQA1354	Rabbit	H, M, R	WB, IF/IC

Description	Rabbit polyclonal antibody to GRP
Immunogen	Recombinant full length protein of human GRP
Purification	The antibody was purified by immunogen affinity chromatography.
Specificity	Recognizes endogenous levels of GRP 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 - 1/2000), IF/IC (1/50 - 1/200)
Gene Symbol	GRP
Alternative Names	Gastrin-releasing peptide; GRP
Entrez Gene	2922 (Human); 225642 (Mouse)
SwissProt	P07492 (Human); Q8R1I2 (Mouse); P24393 (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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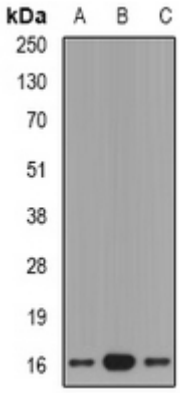
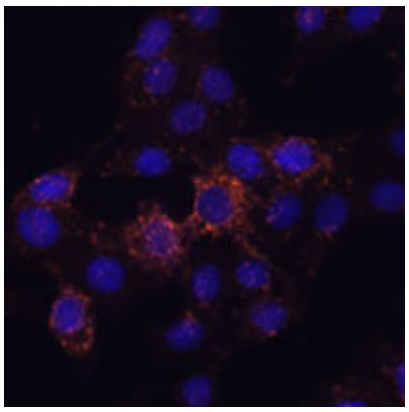


Western blot analysis of GRP expression in mouse lung (A), rat brain (B), rat kidney (C) whole cell lysates. (Predicted band size: 15; 16 kD; Observed band size: 16 kD)



Immunofluorescent analysis of GRP staining in HeLa 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 AF594-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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