For research purposes only, not for human use

Product Data Sheet

Anti-GCN2 Antibody

Catalog #	Source	Reactivity	Applications
CQA1944	Rabbit	H, M, R	WB, IF/IC

Description	Rabbit polyclonal antibody to GCN2
Immunogen	Recombinant full length protein of human GCN2
Purification	The antibody was purified by immunogen affinity chromatography.
Specificity	Recognizes endogenous levels of GCN2 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	EIF2AK4
Alternative Names	GCN2; KIAA1338; Eukaryotic translation initiation factor 2-alpha kinase 4; GCN2-like protein
Entrez Gene	440275 (Human)
SwissProt	Q9P2K8 (Human)
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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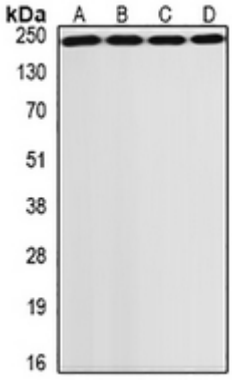
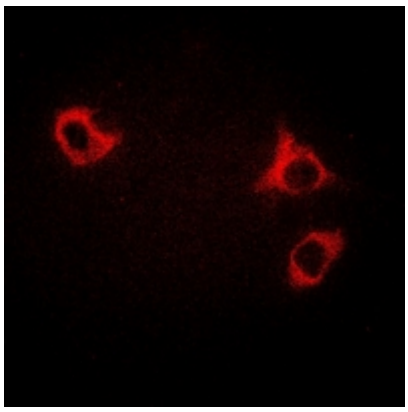


Western blot analysis of GCN2 expression in SKOV3 (A), HepG2 (B), MCF7 (C), rat lung (D) whole cell lysates. (Predicted band size: 69; 183; 186 kD; Observed band size: 220 kD)



Immunofluorescent analysis of GCN2 staining in HepG2 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.

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