

Product Data Sheet

Anti-MRPS31 Antibody

Catalog #	Source	Reactivity	Applications
CQA5111	Rabbit	H, M, R	WB, IF/IC
Description	Rabbit polyclonal antibody to MRPS31		
Immunogen	Recombinant fusion protein of human MRPS31. The exact sequence is proprietary.		
Purification	The antibody was purified by immunogen affinity chromatography.		
Specificity	Recognizes endogenous levels of MRPS31 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	MRPS31		
Alternative Names	IMOGN38; 28S ribosomal protein S31 mitochondrial; MRP-S31; S31mt; Imogen 38		
Entrez Gene	10240 (Human); 57312 (Mouse); 290850 (Rat)		
SwissProt	Q92665 (Human); Q61733 (Mouse); B0BN56 (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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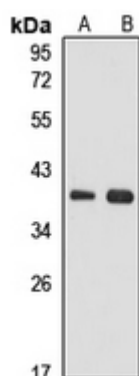
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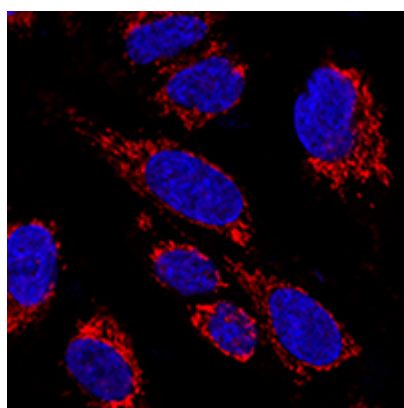
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Western blot analysis of MRPS31 expression in HepG2 (A), MCF7 (B) whole cell lysates. (Predicted band size: 45 kD; Observed band size: 37 kD)



Immunofluorescent analysis of MRPS31 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 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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