For research purposes only, not for human use

Product Data Sheet

Anti-ERGIC-53 Antibody

Catalog #	Source	Reactivity	Applications
CQA2501	Rabbit	H, M, R	WB, IF/IC

Description	Rabbit polyclonal antibody to ERGIC-53
Immunogen	Recombinant full length protein of human ERGIC-53
Purification	The antibody was purified by immunogen affinity chromatography.
Specificity	Recognizes endogenous levels of ERGIC-53 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	LMAN1
Alternative Names	ERGIC53; F5F8D; Protein ERGIC-53; ER-Golgi intermediate compartment 53 kDa protein; Gp58; Intracellular mannose-specific lectin MR60; Lectin mannose-binding 1
Entrez Gene	3998 (Human); 70361 (Mouse); 116666 (Rat)
SwissProt	P49257 (Human); Q9D0F3 (Mouse); Q62902 (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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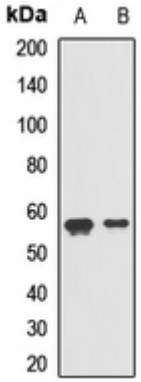
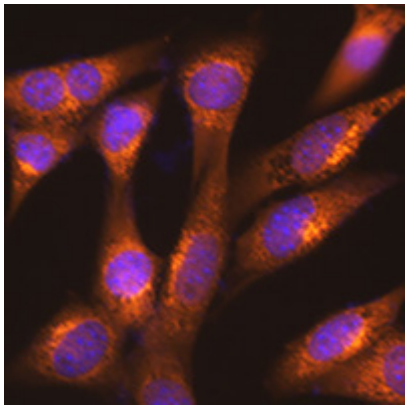


Western blot analysis of ERGIC-53 expression in LO2 (A), U251 (B) whole cell lysates. (Predicted band size: 57 kD; Observed band size: 57 kD)



Immunofluorescent analysis of ERGIC-53 staining in NIH3T3 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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