

Product Data Sheet

Anti-MFN1 Antibody

Catalog #	Source	Reactivity	Applications
CQA3646	Rabbit	H, M, R	WB, IF/IC
Description	Rabbit polyclonal antibody to MFN1		
Immunogen	Recombinant full length protein of human MFN1		
Purification	The antibody was purified by immunogen affinity chromatography.		
Specificity	Recognizes endogenous levels of MFN1 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	MFN1		
Alternative Names	Mitofusin-1; Fzo homolog; Transmembrane GTPase MFN1		
Entrez Gene	55669 (Human); 67414 (Mouse); 192647 (Rat)		
SwissProt	Q8IWA4 (Human); Q811U4 (Mouse); Q8R4Z9 (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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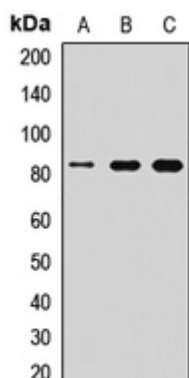
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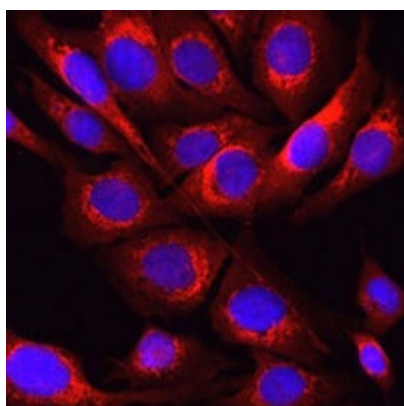
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Western blot analysis of MFN1 expression in A549 (A), mouse liver (B), rat brain (C) whole cell lysates. (Predicted band size: 41; 71; 84 kD; Observed band size: 84 kD)



Immunofluorescent analysis of MFN1 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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