

Anti-MIF4GD Antibody

Catalog #	Source	Reactivity	Applications
CQA9772	Rabbit	H, M	WB, IF/IC, FC
Description	Rabbit polyclonal antibody to MIF4GD		
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within the Central region of human MIF4GD. The exact sequence is proprietary.		
Purification	The antibody was purified by immunogen affinity chromatography.		
Specificity	Recognizes endogenous levels of MIF4GD 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 (1/10 - 1/50), FC (1/10 - 1/30)		
Gene Symbol	MIF4GD		
Alternative Names	SLIP1; MIF4G domain-containing protein; SLBP-interacting protein 1; hSLIP1		
Entrez Gene	57409 (Human); 69674 (Mouse)		
SwissProt	A9UHW6 (Human); Q3UBZ5 (Mouse)		
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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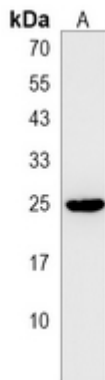
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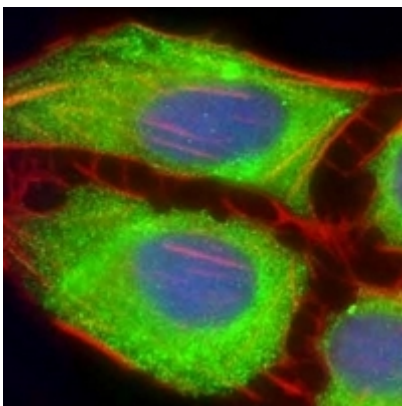
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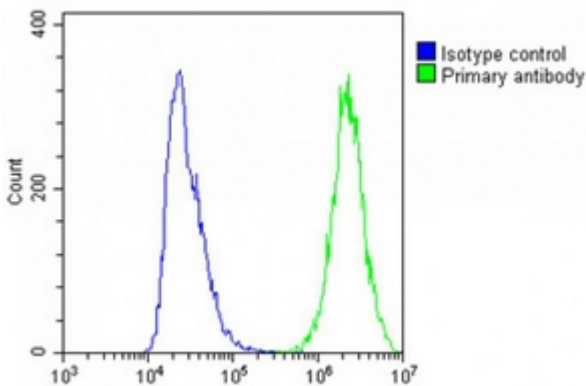
Product Data Sheet



Western blot analysis of MIF4GD expression in mouse liver (A) whole cell lysates. (Predicted band size: 25 kD; Observed band size: 25 kD)



Immunofluorescent analysis of Anti-MIF4GD 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 AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF555 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).



Flow cytometric analysis of A431 cells using Anti-MIF4GD Antibody. The cells were fixed with 2% paraformaldehyde (10 min) and then permeabilized with 90% methanol for 10 min. The cells were incubated in 2% bovine serum albumin to block non-specific protein-protein interactions followed by the antibody at 37 °C for 60 min. The secondary antibody Goat Anti-Rabbit IgG (H&L) - AF488 was incubated at 37 °C for 40 min. Isotype control antibody (blue line) was used under the same condition.

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