

## Recombinant Anti-EMC4 Rabbit mAb

Catalog #	Source	Reactivity	Applications
CMA4101	Rabbit	H, M, R	WB, IF/IC
<b>Description</b>	Recombinant rabbit monoclonal antibody to EMC4		
<b>Immunogen</b>	KLH-conjugated synthetic peptide encompassing a sequence within human EMC4. The exact sequence is proprietary.		
<b>Purification</b>	The antibody was purified by immunogen affinity chromatography.		
<b>Specificity</b>	Recognizes endogenous levels of EMC4 protein		
<b>Clonality</b>	Monoclonal		
<b>Conjugation</b>			
<b>Form</b>	Liquid in PBS containing 50% glycerol, 0.2% BSA and 0.01% sodium azide.		
<b>Dilution</b>	WB (1/500 - 1/1000), IF/IC (1/50 - 1/200)		
<b>Gene Symbol</b>	EMC4		
<b>Alternative Names</b>	TMEM85; ER membrane protein complex subunit 4; Cell proliferation-inducing gene 17 protein; Transmembrane protein 85		
<b>Entrez Gene</b>	51234 (Human); 68032 (Mouse)		
<b>SwissProt</b>	Q5J8M3 (Human); Q9CZX9 (Mouse)		
<b>Storage/Stability</b>	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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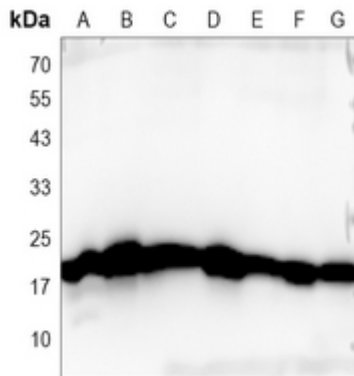
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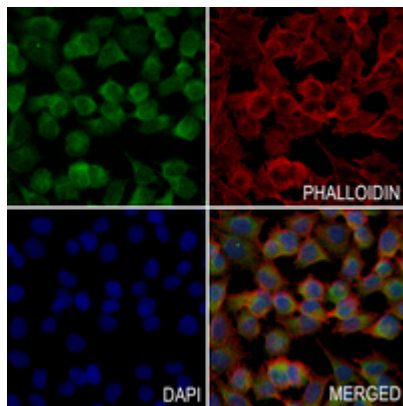
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# Product Data Sheet



Western blot analysis of EMC4 expression in A549 (A), HeLa (B), THP1 (C), mouse liver (D), mouse muscle (E), rat liver (F), rat muscle (G) whole cell lysates. (Predicted band size: 20 kD; Observed band size: 18 kD)



Immunofluorescent analysis of EMC4 staining in A375 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 an AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

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