

Recombinant Anti-FADS1 Rabbit mAb

Catalog #	Source	Reactivity	Applications
CMA4279	Rabbit	H, M	WB, IF/IC
Description	Recombinant rabbit monoclonal antibody to FADS1		
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within human FADS1. The exact sequence is proprietary.		
Purification	The antibody was purified by immunogen affinity chromatography.		
Specificity	Recognizes endogenous levels of FADS1 protein		
Clonality	Monoclonal		
Conjugation			
Form	Liquid in PBS containing 50% glycerol, 0.2% BSA and 0.01% sodium azide.		
Dilution	WB (1/500 - 1/1000), IF/IC (1/50 - 1/200)		
Gene Symbol	FADS1		
Alternative Names	FADSD5; Fatty acid desaturase 1; Delta(5) fatty acid desaturase; D5D; Delta(5) desaturase; Delta-5 desaturase		
Entrez Gene	3992 (Human); 76267 (Mouse)		
SwissProt	O60427 (Human); Q920L1 (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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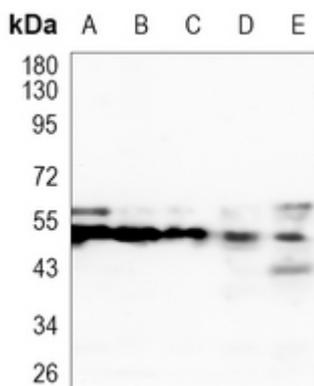
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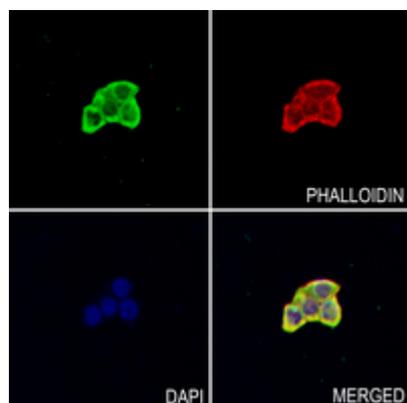
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Product Data Sheet



Western blot analysis of FADS1 expression in HEK293T (A), K562 (B), THP1 (C), mouse liver (D), mouse kidney (E) whole cell lysates. (Predicted band size: 51 kD; Observed band size: 52 kD)



Immunofluorescent analysis of FADS1 staining in MCF7 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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