

Product Data Sheet

Anti-Fumarase Antibody

Catalog #	Source	Reactivity	Applications
CPA9161	Mouse	H, M, R	WB, IF/IC
Description	Mouse monoclonal to Fumarase		
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence of human Fumarase. The exact sequence is proprietary.		
Purification			
Specificity	Recognizes endogenous levels of Fumarase protein.		
Clonality	Monoclonal		
Form	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.		
Dilution	WB (1/1000 - 1/3000), IF/IC (1/100 - 1/200)		
Gene Symbol	FH		
Alternative Names	Fumarate hydratase mitochondrial; Fumarase		
Entrez Gene	2271 (Human); 14194 (Mouse)		
SwissProt	P07954 (Human); P97807 (Mouse); P14408 (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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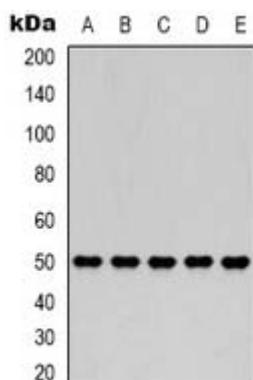
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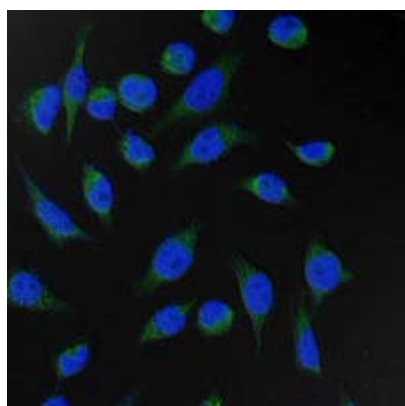
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Western blot analysis of Fumarase expression in 293T (A), HepG2 (B), Hela (C), mouse brain (D), rat brain (E) whole cell lysates.



Immunofluorescent analysis of Fumarase staining in Hela 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 FITC-conjugated secondary antibody (green) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).

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