

Recombinant Anti-Gelsolin Rabbit mAb

Catalog # AP95211

Product Information

Application	WB, IHC, FC, IF/IC
Primary Accession	P06396
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Monoclonal
Calculated MW	85698

Additional Information

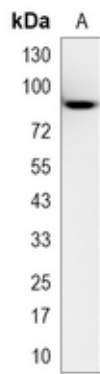
Gene ID	2934
Other Names	Gelsolin; AGEL; Actin-depolymerizing factor; ADF; Brevin
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within human Gelsolin protein. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) IHC~~1:100~500 FC~~1:10~50 IF/IC~~N/A
Format	Liquid in PBS, pH 7.3, 50% glycerol, 0.05% BSA, and 0.05% Proclin300.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

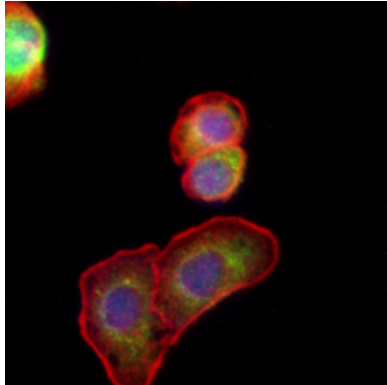
Name	GSN
Function	Calcium-regulated, actin-modulating protein that binds to the plus (or barbed) ends of actin monomers or filaments, preventing monomer exchange (end-blocking or capping). It can promote the assembly of monomers into filaments (nucleation) as well as sever filaments already formed (PubMed: 19666512). Plays a role in ciliogenesis (PubMed: 20393563).
Cellular Location	[Isoform 2]: Cytoplasm, cytoskeleton.
Tissue Location	Phagocytic cells, platelets, fibroblasts, nonmuscle cells, smooth and skeletal muscle cells

Images

Western blot analysis of Gelsolin expression in A431 (A)



whole cell lysates. (Predicted band size: 86 kD; Observed band size: 86 kD)



Immunofluorescent analysis of Gelsolin staining in A431 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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