

Product Datasheet

Anti-Gamma-Actin Antibody (orb1879579)

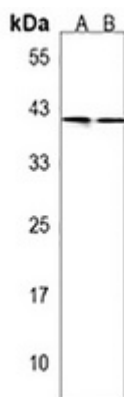
Catalog Number	orb1879579
Description	Rabbit polyclonal antibody to Gamma-Actin
Reactivity	Human
Conjugation	Unconjugated
Tested Applications	FC, IF, WB
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within the Central region of human Gamma-Actin. The exact sequence is proprietary.
Form/Appearance	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only
Clonality	Polyclonal
Antibody Type	Primary Antibody
Source	Rabbit
Uniprot ID	P63261
Entrez	71
Dilution Range	WB (1/500 - 1/1000), IF/IC (1/10 - 1/50), FC (1/10 - 1/50)
Expiration Date	12 months from date of receipt.

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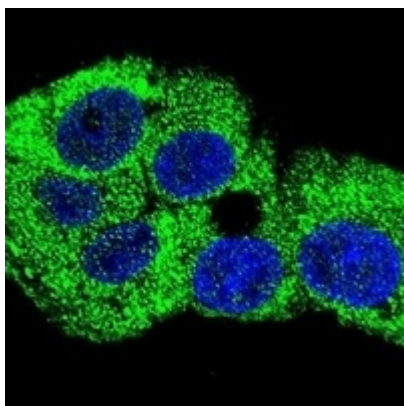
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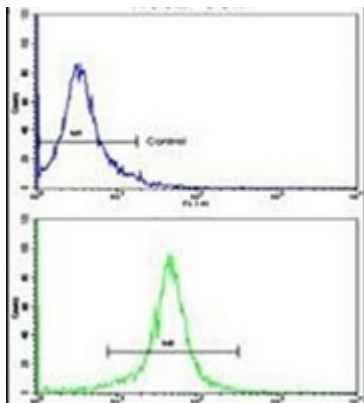
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Western blot analysis of Gamma-Actin expression in K562 (A), HepG2 (B) whole cell lysates. (Predicted band size: 41 kD; Observed band size: 42 kD)



Immunofluorescent analysis of Anti-Gamma-Actin staining in HepG2 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. DAPI was used to stain the cell nuclei (blue).



Flow cytometric analysis of K562 cells using Anti-Gamma-Actin 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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