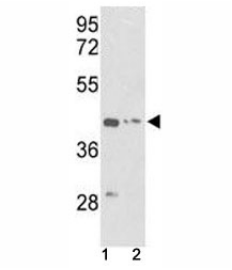
g-Actin Antibody / Gamma Actin / ACTG1 (F49668)

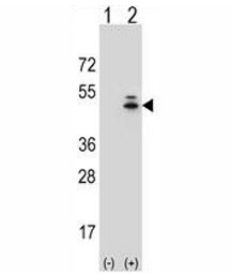
Catalog No.	Formulation	Size
F49668-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F49668-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08

Bulk quote request

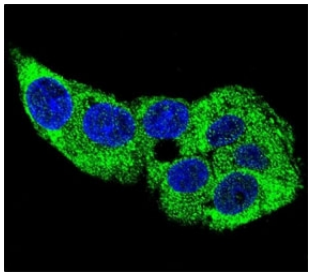
Availability	1-3 business days
Species Reactivity	Human
Predicted Reactivity	Bovine, C. elegans, Chicken, Drosophila, Mouse, Rabbit, Rat, Xenopus, Zebrafish
Format	Purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Purified
UniProt	P63261
Applications	Western Blot : 1:1000 Flow Cytometry : 1:10-1:50 Immunofluorescence : 1:10-1:50
Limitations	This g-Actin antibody is available for research use only.



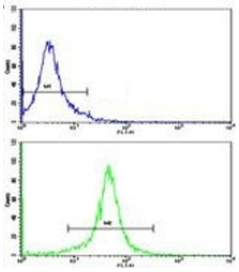
Western blot analysis of g-Actin antibody and (1) K562 and (2) HepG2 lysate.



Western blot analysis of g-Actin antibody and 293 cell lysate (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (2) with the ACTG1 gene.



Confocal immunofluorescent analysis of g-Actin antibody with HepG2 cells followed by Alexa Fluor 488-conjugated goat anti-rabbit lgG (green). DAPI was used as a nuclear counterstain (blue).



Flow cytometric analysis of K562 cells using g-Actin antibody (green) compared to a negative control (blue). FITC-conjugated goat-anti-rabbit secondary Ab was used for the analysis.

Description

Actins are highly conserved proteins that are involved in various types of cell motility, and maintenance of the cytoskeleton. In vertebrates, three main groups of actin isoforms, alpha, beta and gamma have been identified. The alpha actins are found in muscle tissues and are a major constituent of the contractile apparatus. The beta and gamma actins co-exist in most cell types as components of the cytoskeleton, and as mediators of internal cell motility. Actin, gamma 1, is a cytoplasmic actin found in nonmuscle cells.

Application Notes

Titration of the g-Actin antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 188-215 from human ACTG1 was used as the immunogen for this g-Actin antibody.

Storage

Aliquot the g-Actin antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.