ARG59686
anti-AGFG1 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes AGFG1
Tested Reactivity	Hu, Rat
Tested Application	FACS, ICC/IF, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	AGFG1
Species	Human
Immunogen	Synthetic peptide corresponding to aa. 5-28 of Human AGFG1. (AKRKQEEKHLKMLRDMTGLPHNRK)
Conjugation	Un-conjugated
Alternate Names	Rev/Rex activation domain-binding protein; RAB; Rev-interacting protein; HIV-1 Rev-binding protein; RIP; Nucleoporin-like protein RIP; Arf-GAP domain and FG repeat-containing protein 1; HRB

Application Instructions

Application table

Application	Dilution
FACS	1:150 - 1:500
ICC/IF	1:200 - 1:1000
WB	0.1 - 0.5 µg/ml

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

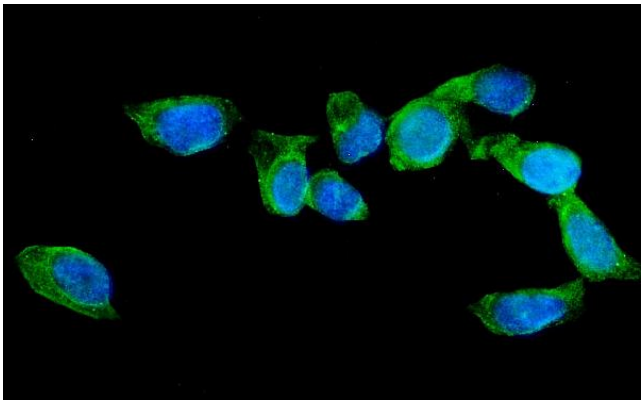
Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.9% NaCl, 0.2% Na2HPO4, 0.05% Sodium azide and 5% BSA.
Preservative	0.05% Sodium azide
Stabilizer	5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

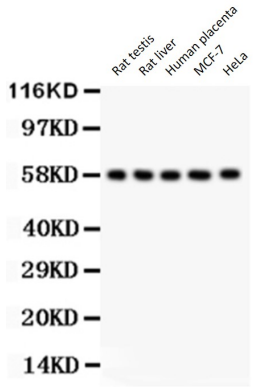
Gene Symbol	AGFG1
Gene Full Name	ArfGAP with FG repeats 1
Background	The protein encoded by this gene is related to nucleoporins, a class of proteins that mediate nucleocytoplasmic transport. The encoded protein binds the activation domain of the human immunodeficiency virus Rev protein when Rev is assembled onto its RNA target, and is required for the nuclear export of Rev-directed RNAs. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2008]
Function	Required for vesicle docking or fusion during acrosome biogenesis (By similarity). May play a role in RNA trafficking or localization. In case of infection by HIV-1, acts as a cofactor for viral Rev and promotes movement of Rev-responsive element-containing RNAs from the nuclear periphery to the cytoplasm. This step is essential for HIV-1 replication. [UniProt]
Calculated Mw	58 kDa
PTM	O-glycosylated. [UniProt]
Cellular Localization	Nucleus. Cytoplasmic vesicle. [UniProt]

Images



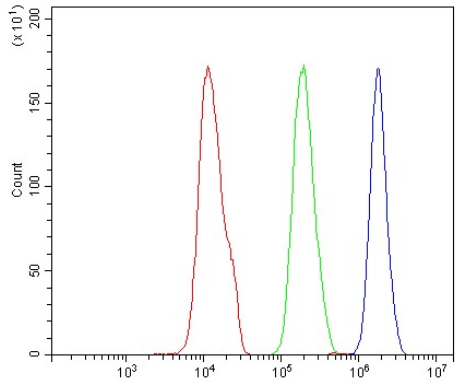
ARG59686 anti-AGFG1 antibody ICC/IF image

Immunofluorescence: U2OS cells were blocked with 10% goat serum and then stained with ARG59686 anti-AGFG1 antibody (green) at 2 µg/ml dilution, overnight at 4°C. DAPI (blue) for nuclear staining.



ARG59686 anti-AGFG1 antibody WB image

Western blot: 50 µg of Rat testis, 50 µg of Rat liver, 50 µg of Human placenta, 40 µg of MCF-7 whole cell lysate and 40 µg of HeLa whole cell lysate stained with ARG59686 anti-AGFG1 antibody at 0.5 µg/ml dilution.



ARG59686 anti-AGFG1 antibody FACS image

Flow Cytometry: SiHa cells were blocked with 10% normal goat serum and then stained with ARG59686 anti-AGFG1 antibody (blue) at 1 µg/10^6 cells for 30 min at 20°C, followed by incubation with DyLight®488 labelled secondary antibody. Isotype control antibody (green) was rabbit IgG (1 µg/10^6 cells) used under the same conditions. Unlabelled sample (red) was also used as a control.