

# AGFG1 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP16184a

#### **Product Information**

Application WB, E Primary Accession P52594

Other Accession Q4KLH5, Q8K2K6, Q2TA45, NP 004495.2, NP 001128661.1, NP 001128660.1

Reactivity Human

**Predicted** Bovine, Mouse, Rat

HostRabbitClonalityPolyclonalIsotypeRabbit IgGClone NamesRB35563Calculated MW58260Antigen Region1-30

#### **Additional Information**

Gene ID 3267

Other Names Arf-GAP domain and FG repeat-containing protein 1, HIV-1 Rev-binding

protein, Nucleoporin-like protein RIP, Rev-interacting protein, Rev/Rex

activation domain-binding protein, AGFG1, HRB, RAB, RIP

Target/Specificity This AGFG1 antibody is generated from rabbits immunized with a KLH

conjugated synthetic peptide between 1-30 amino acids from the N-terminal

region of human AGFG1.

**Dilution** WB~~1:1000 E~~Use at an assay dependent concentration.

**Format** Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.

This antibody is purified through a protein A column, followed by peptide

affinity purification.

**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.

**Precautions** AGFG1 Antibody (N-term) is for research use only and not for use in

diagnostic or therapeutic procedures.

#### **Protein Information**

Name AGFG1

**Synonyms** HRB, RAB, RIP

**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.

**Cellular Location** Nucleus. Cytoplasmic vesicle

**Tissue Location** Ubiquitously expressed.

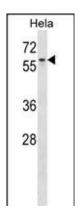
## **Background**

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.

### References

Bowes, J.D., et al. Pharmacogenet. Genomics 19(4):319-323(2009) Chaineau, M., et al. J. Biol. Chem. 283(49):34365-34373(2008) Pryor, P.R., et al. Cell 134(5):817-827(2008) Sugiyama, N., et al. Mol. Cell Proteomics 6(6):1103-1109(2007) Olsen, J.V., et al. Cell 127(3):635-648(2006)

## **Images**



AGFG1 Antibody (N-term) (Cat. #AP16184a) western blot analysis in Hela cell line lysates (35ug/lane). This demonstrates the AGFG1 antibody detected the AGFG1 protein (arrow).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.