

AGFG1 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP16184a

Specification

AGFG1 Antibody (N-term) Blocking Peptide - Product Information

Primary Accession [P52594](#)

AGFG1 Antibody (N-term) Blocking Peptide - 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

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

AGFG1 Antibody (N-term) Blocking Peptide - 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.

AGFG1 Antibody (N-term) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

AGFG1 Antibody (N-term) Blocking Peptide - Images

AGFG1 Antibody (N-term) Blocking Peptide - 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.

AGFG1 Antibody (N-term) Blocking Peptide - References

Bowes, J.D., et al. Pharmacogenet. Genomics 19(4):319-323(2009) Chaîneau, 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)