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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

AGFG1 Antibody (N-term) Blocking Peptide - Background

The protein encoded by this gene is related tonucleoporins, a class of proteins that mediate nucleocytoplasmictransport. The encoded protein binds the activation domain of thehuman immunodeficiency virus Rev protein when Rev is assembled ontoits RNA target, and is required for the nuclear export ofRev-directed RNAs. Multiple transcript variants encoding differentisoforms 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)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)

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