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# RGP1 Antibody (C-term) Blocking Peptide

**Synthetic peptide**
**Catalog # BP6957b**

## Specification

### RGP1 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession Q92546

### RGP1 Antibody (C-term) Blocking Peptide - Additional Information

**Gene ID** 9827

**Other Names**
RAB6A-GEF complex partner protein 2, Retrograde Golgi transport protein RGP1 homolog, RGP1 (<a href="http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=21965" target="_blank">HGNC:21965</a>), KIAA0258

**Target/Specificity**
The synthetic peptide sequence used to generate the antibody <a href=/products/AP6957b>AP6957b</a> was selected from the C-term region of human RGP1. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

**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.

### RGP1 Antibody (C-term) Blocking Peptide - Protein Information

**Name** RGP1 (HGNC:21965)

**Synonyms** KIAA0258

**Function**
The RIC1-RGP1 complex acts as a guanine nucleotide exchange factor (GEF), which activates RAB6A by exchanging bound GDP for free GTP and may thereby required for efficient fusion of endosome-derived vesicles with the Golgi compartment. The RIC1-RGP1 complex participates in the recycling of mannose-6-phosphate receptors.

**Cellular Location**
Cytoplasm, cytosol. Membrane

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## RGP1 Antibody (C-term) Blocking Peptide - Protocols

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

- Blocking Peptides

## RGP1 Antibody (C-term) Blocking Peptide - Images

## RGP1 Antibody (C-term) Blocking Peptide - Background

Retrograde golgi transport homolog 1 (RGP1) is the mammalian homolog to the yeast RGP1, and is thought to be a potential Golgi recycling factor. The protein forms a tight complex with RIC1 and this complex binds Ypt6p and stimulates guanine nucleotide exchange. RGP1 yeast mutants exhibit defects in retrograde trafficking that are similar to those seen in yeast, with mutations in other retrograde Golgi transport proteins. It is expected that RGP1 plays a similar role in mammalian cells.

## RGP1 Antibody (C-term) Blocking Peptide - References

Gerhard,D.S., et.al., Genome Res. 14 (10B), 2121-2127 (2004)