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GOSR1 Antibody (C-term) Blocking Peptide

Synthetic peptide
Catalog # BP8901b

Specification

GOSR1 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession O95249

GOSR1 Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 9527

Other Names
Golgi SNAP receptor complex member 1, 28 kDa Golgi SNARE protein, 28 kDa cis-Golgi SNARE p28, GOS-28, GOSR1, GS28

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP8901b was selected from the C-term region of human GOSR1. 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.

GOSR1 Antibody (C-term) Blocking Peptide - Protein Information

Name GOSR1

Synonyms GS28

Function
Involved in transport from the ER to the Golgi apparatus as well as in intra-Golgi transport. It belongs to a super-family of proteins called t-SNAREs or soluble NSF (N-ethylmaleimide-sensitive factor) attachment protein receptor. May play a protective role against hydrogen peroxide induced cytotoxicity under glutathione depleted conditions in neuronal cells by regulating the intracellular ROS levels via inhibition of p38 MAPK (MAPK11, MAPK12, MAPK13 and MAPK14). Participates in docking and fusion stage of ER to cis-Golgi transport. Plays an important physiological role in VLDL-transport vesicle-Golgi fusion and thus in VLDL delivery to the hepatic cis-Golgi.

Cellular Location

Golgi apparatus membrane; Single-pass type IV membrane protein. Note=Localizes throughout the Golgi apparatus, with lowest levels in the trans-Golgi network (By similarity). Enriched on vesicular components at the terminal rims of the Golgi. Found in Golgi microtubules at low temperature (15 degrees Celsius).

GOSR1 Antibody (C-term) Blocking Peptide - Protocols

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

- Blocking Peptides

GOSR1 Antibody (C-term) Blocking Peptide - Images

GOSR1 Antibody (C-term) Blocking Peptide - Background

GOSR1 is involved in transport from the ER to the Golgi apparatus as well as in intra-Golgi transport (By similarity).

GOSR1 Antibody (C-term) Blocking Peptide - References

Zody M.C., et.al., Nature 440:1045-1049(2006).Mao M., et.al., Proc. Natl. Acad. Sci. U.S.A. 95:8175-8180(1998).