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# AP1G2 Antibody (N-term) Blocking peptide
**Synthetic peptide**
**Catalog # BP13809a**

## Specification

### AP1G2 Antibody (N-term) Blocking peptide - Product Information

Primary Accession O75843

### AP1G2 Antibody (N-term) Blocking peptide - Additional Information

**Gene ID** 8906

**Other Names**
AP-1 complex subunit gamma-like 2, Gamma2-adaptin, G2ad, AP1G2

**Target/Specificity**
The synthetic peptide sequence used to generate the antibody AP13809a was selected from the N-term region of AP1G2. 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.

### AP1G2 Antibody (N-term) Blocking peptide - Protein Information

**Name** AP1G2

**Function**
May function in protein sorting in late endosomes or multivesucular bodies (MVBs).

**Cellular Location**
Golgi apparatus membrane; Peripheral membrane protein; Cytoplasmic side Cytoplasmic vesicle membrane; Peripheral membrane protein. Endosome membrane; Peripheral membrane protein. Note=Mainly localized to perinuclear vesicular structures (PubMed:9733768). Colocalizes with HBV major surface antigen L and HBV core protein C in CD63-containing compartments (PubMed:16867982). Colocalizes with HBV major surface antigen L to cis-Golgi-like structures (PubMed:11333915)

**Tissue Location**
Expressed in all but one (skeletal muscle) tissues examined

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## AP1G2 Antibody (N-term) Blocking peptide - Protocols

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

- Blocking Peptides

## AP1G2 Antibody (N-term) Blocking peptide - Images

## AP1G2 Antibody (N-term) Blocking peptide - Background

Adaptins are important components of clathrin-coatedvesicles transporting ligand-receptor complexes from the plasmamembrane or from the trans-Golgi network to lysosomes. The adaptinfamily of proteins is compsed of four classes of molecules namedalpha, beta-, beta prime- and gamma- adaptins. Adaptins, togetherwith medium and small subunits, form a heterotetrameric complexcalled an adaptor, whose role is to promote the formation ofclathrin-coated pits and vesicles. The protein encoded by this geneis a gamma-adaptin protein and it belongs to the adaptor complexeslarge subunits family. This protein along with the complex isthought to function at some trafficking step in the complexpathways between the trans-Golgi network and the cell surface.There are two alternatively spliced transcript variants of thisgene encoding the same protein.

## AP1G2 Antibody (N-term) Blocking peptide - References

Doring, T., et al. Biochim. Biophys. Acta 1803(11):1252-1264(2010)Rost, M., et al. J. Biol. Chem. 283(46):32119-32130(2008)Lambert, C., et al. J. Virol. 81(17):9050-9060(2007)Lehner, B., et al. Genome Res. 14(7):1315-1323(2004)Mattera, R., et al. J. Biol. Chem. 279(9):8018-8028(2004)