

**GPAA1 Antibody (N-term) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP10722a****Specification**

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**GPAA1 Antibody (N-term) Blocking peptide - Product Information**Primary Accession [O43292](#)**GPAA1 Antibody (N-term) Blocking peptide - Additional Information****Gene ID** 8733**Other Names**

Glycosylphosphatidylinositol anchor attachment 1 protein, GPI anchor attachment protein 1, GAA1 protein homolog, hGAA1, GPAA1, GAA1

**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.

**GPAA1 Antibody (N-term) Blocking peptide - Protein Information****Name** GPAA1**Synonyms** GAA1**Function**

Component of the GPI transamidase complex, necessary for transfer of GPI to proteins (PubMed:&lt;a href="http://www.uniprot.org/citations/34576938" target="\_blank"&gt;34576938&lt;/a&gt;). Essential for GPI- anchoring of precursor proteins but not for GPI synthesis. Acts before or during formation of the carbonyl intermediate.

**Cellular Location**

Endoplasmic reticulum membrane; Multi-pass membrane protein

**Tissue Location**

Ubiquitously expressed in fetal and adult tissues. Expressed at higher levels in fetal tissues than adult tissues

**GPAA1 Antibody (N-term) Blocking peptide - Protocols**

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

- [Blocking Peptides](#)

#### **GPAA1 Antibody (N-term) Blocking peptide - Images**

#### **GPAA1 Antibody (N-term) Blocking peptide - Background**

Posttranslational glycosylphosphatidylinositol (GPI) anchor attachment serves as a general mechanism for linking proteins to the cell surface membrane. The protein encoded by this gene presumably functions in GPI anchoring at the GPI transfer step. The mRNA transcript is ubiquitously expressed in both fetal and adult tissues. The anchor attachment protein 1 contains an N-terminal signal sequence, 1 cAMP- and cGMP-dependent protein kinase phosphorylation site, 1 leucine zipper pattern, 2 potential N-glycosylation sites, and 8 putative transmembrane domains.

#### **GPAA1 Antibody (N-term) Blocking peptide - References**

Jiang, W.W., et al. Mol. Cancer 6, 74 (2007) :Olsen, J.V., et al. Cell 127(3):635-648(2006)Ho, J.C., et al. Int. J. Cancer 119(6):1330-1337(2006)Vainauskas, S., et al. J. Biol. Chem. 280(16):16402-16409(2005)Vainauskas, S., et al. J. Biol. Chem. 279(8):6540-6545(2004)