10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

GPAA1 Antibody (N-term) Blocking peptide

Synthetic peptide
Catalog # BP10722a

Specification

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:34576938). 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

10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

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 linkingproteins to the cell surface membrane. The protein encoded by thisgene presumably functions in GPI anchoring at the GPI transferstep. The mRNA transcript is ubiquitously expressed in both fetaland adult tissues. The anchor attachment protein 1 contains anN-terminal signal sequence, 1 cAMP- and cGMP-dependent proteinkinase phosphorylation site, 1 leucine zipper pattern, 2 potentialN-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)