

GPC4 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP2790a**Specification**

GPC4 Antibody (N-term) Blocking Peptide - Product Information

Primary Accession [O75487](#)

GPC4 Antibody (N-term) Blocking Peptide - Additional Information

Gene ID 2239

Other Names

Glypican-4, K-glypican, Secreted glypican-4, GPC4

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP2790a](/products/AP2790a) was selected from the N-term region of human GPC4. 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.

GPC4 Antibody (N-term) Blocking Peptide - Protein Information

Name GPC4

Function

Cell surface proteoglycan that bears heparan sulfate. May be involved in the development of kidney tubules and of the central nervous system (By similarity).

Cellular Location

Cell membrane; Lipid-anchor, GPI- anchor; Extracellular side

GPC4 Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

GPC4 Antibody (N-term) Blocking Peptide - Images

GPC4 Antibody (N-term) Blocking Peptide - Background

Cell surface heparan sulfate proteoglycans are composed of a membrane-associated protein core substituted with a variable number of heparan sulfate chains. Members of the glypican-related integral membrane proteoglycan family (GRIPs) contain a core protein anchored to the cytoplasmic membrane via a glycosyl phosphatidylinositol linkage. These proteins may play a role in the control of cell division and growth regulation. The GPC4 gene is adjacent to the 3' end of GPC3 and may also play a role in Simpson-Golabi-Behmel syndrome.

GPC4 Antibody (N-term) Blocking Peptide - References

Karumanchi, S.A., Mol. Cell 7 (4), 811-822 (2001) Hagihara, K., Dev. Dyn. 219 (3), 353-367 (2000) Veugelers, M., Hum. Mol. Genet. 9 (9), 1321-1328 (2000) Veugelers, M., Genomics 53 (1), 1-11 (1998)