

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

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