

GPC4 Antibody (Center)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP2790c**Specification**

GPC4 Antibody (Center) - Product Information

Application	WB,E
Primary Accession	O75487
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	62412
Antigen Region	395-422

GPC4 Antibody (Center) - Additional Information**Gene ID** 2239**Other Names**

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

Target/Specificity

This GPC4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 395-422 amino acids from the Central region of human GPC4.

Dilution

WB~~1:500

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

GPC4 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

GPC4 Antibody (Center) - 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).

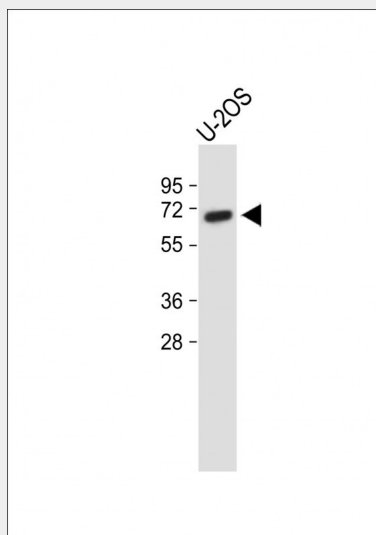
Cellular Location

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

GPC4 Antibody (Center) - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

GPC4 Antibody (Center) - Images

Anti-GPC4 Antibody (Center) at 1:500 dilution + U-2OS whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 62 kDa Blocking/Dilution buffer: 5% NFDN/TBST.

GPC4 Antibody (Center) - 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 (Center) - 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)