

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

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

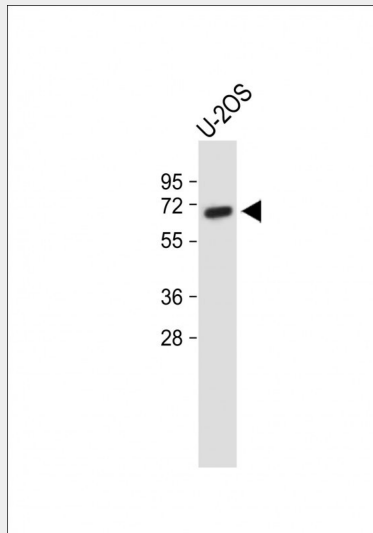
Cell membrane; Lipid-anchor, GPI- anchor; Extracellular side

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% NFD/MBST.

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)