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GPC4 Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP2790c

Product Information

Application	WB, E
Primary Accession	O75487
Reactivity	Human, Rat, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB15045
Calculated MW	62412
Antigen Region	395-422

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 prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
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.

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

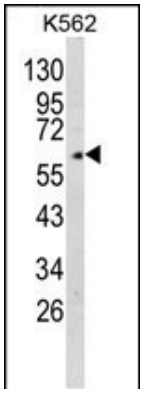
Background

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.

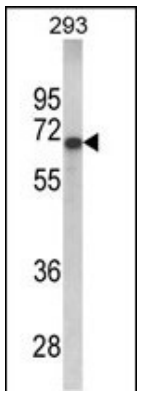
References

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)

Images



Western blot analysis of GPC4 Antibody (Center) (Cat. #AP2790c) in K562 cell line lysates (35ug/lane). GPC4 (arrow) was detected using the purified Pab.



Western blot analysis of GPC4 Antibody (Center) (Cat. #AP2790c) in 293 cell line lysates (35ug/lane). GPC4 (arrow) was detected using the purified Pab.