

GPC6 Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP11674b

Product Information

Application	WB, IHC-P, FC, E
Primary Accession	Q9Y625
Other Accession	NP_005699.1
Reactivity	Human
Predicted	Mouse, Rat, Bovine, Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB14543
Calculated MW	62736
Antigen Region	496-528

Additional Information

Gene ID	10082
Other Names	Glypican-6, Secreted glypican-6, GPC6
Target/Specificity	This GPC6 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 496-528 amino acids from the C-terminal region of human GPC6.
Dilution	WB~~1:1000 IHC-P~~1:100~500 FC~~1:10~50 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.05% (V/V) Proclin 300. 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	GPC6 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	GPC6
Function	Cell surface proteoglycan that bears heparan sulfate. Putative cell surface coreceptor for growth factors, extracellular matrix proteins, proteases and

anti-proteases (By similarity). Enhances migration and invasion of cancer cells through WNT5A signaling.

Cellular Location

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

Tissue Location

Widely expressed. High expression in fetal kidney and lung and lower expressions in fetal liver and brain. In adult tissues, very abundant in ovary, high levels also observed in liver, kidney, small intestine and colon. Not detected in peripheral blood leukocytes. Detected in breast cancer cells (at protein level)

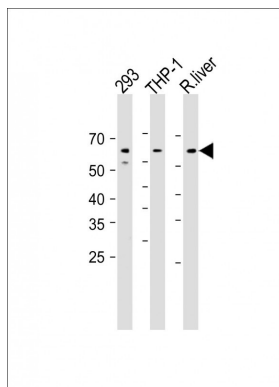
Background

The glypicans comprise a family of glycosylphosphatidylinositol-anchored heparan sulfate proteoglycans, and they have been implicated in the control of cell growth and cell division. The glypican encoded by this gene is a putative cell surface coreceptor for growth factors, extracellular matrix proteins, proteases and anti-proteases. [provided by RefSeq].

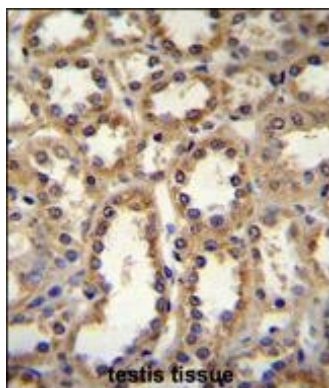
References

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Lau, C.S., et al. Br J Ophthalmol 94(3):357-362(2010)
Calboli, F.C., et al. PLoS ONE 5 (7), E11504 (2010) :
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Images

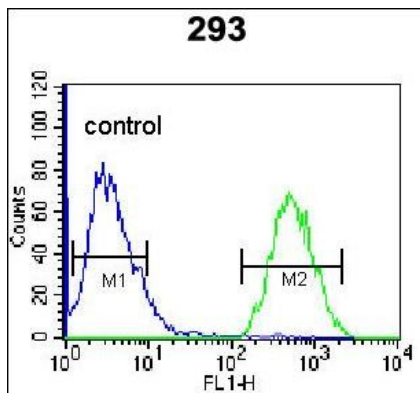


All lanes: Anti-GPC6 Antibody (C-term) at 1:2000 dilution
Lane 1: 293 whole cell lysate Lane 2: THP-1 whole cell lysate Lane 3: Rat liver lysate Lysates/proteins at 20 µg per lane. Secondary: Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (ASP1615) at 1/15000 dilution. Observed band size: 63 KDa Blocking/Dilution buffer: 5% NFDM/TBST.



GPC6 Antibody (C-term) (Cat. #AP11674b) immunohistochemistry analysis in formalin fixed and paraffin embedded human kidney tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of GPC6 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

GPC6 Antibody (C-term) (Cat. #AP11674b) flow cytometric analysis of 293 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated



goat-anti-rabbit secondary antibodies were used for the analysis.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.