

GPC5 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP10678a

Product Information

Application	WB, IHC-P, E
Primary Accession	P78333
Other Accession	Q8CAL5 , NP_004457.1
Reactivity	Human, Mouse
Predicted	Rat, Bovine, Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB22466
Calculated MW	63707
Antigen Region	56-84

Additional Information

Gene ID	2262
Other Names	Glypican-5, Secreted glypican-5, GPC5
Target/Specificity	This GPC5 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 56-84 amino acids from the N-terminal region of human GPC5.
Dilution	WB~~1:1000 IHC-P~~1:100~500 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	GPC5 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	GPC5
Function	Cell surface proteoglycan that bears heparan sulfate.
Cellular Location	Cell membrane; Lipid-anchor, GPI- anchor; Extracellular side

Tissue Location

In adult, primarily expressed in the brain. Also detected in fetal brain, lung and liver.

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. [provided by RefSeq].

References

Lorentzen, A.R., et al. J. Neuroimmunol. 226 (1-2), 194-197 (2010) :

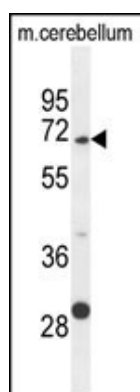
Landi, M.T., et al. Lancet Oncol. 11(8):714-716(2010)

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :

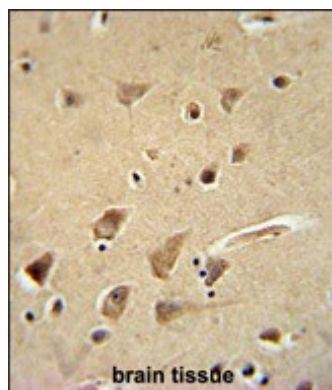
Li, Y., et al. Lancet Oncol. 11(4):321-330(2010)

Arking, D.E., et al. PLoS ONE 5 (3), E9879 (2010) :

Images



GPC5 Antibody (N-term) (Cat. #AP10678a) western blot analysis in mouse cerebellum tissue lysates (35ug/lane). This demonstrates the GPC5 antibody detected the GPC5 protein (arrow).



GPC5 Antibody (N-term) (Cat. #AP10678a) immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the GPC5 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.

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