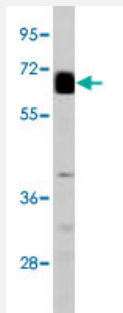


GPC3 polyclonal antibody

Catalog # PAB4437

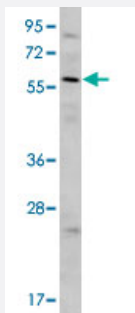
Size 400 uL

Applications



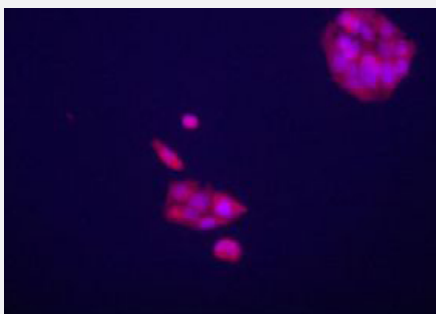
Western Blot (Tissue lysate)

Western blot analysis of GPC3 polyclonal antibody (Cat # PAB4437) in mouse lung tissue.



Western Blot (Cell lysate)

Western blot analysis of Jurkat cell lysate (35 ug/lane) with GPC3 polyclonal antibody (Cat # PAB4437).



Immunofluorescence

Immunofluorescence staining of GPC3 polyclonal antibody (Cat # PAB4437) on HepG2 cells . The cells were acetone fixated . Antibody dilution of 1 : 50 . Original magnification 1 : 400 . Data and protocol courtesy of Dr . Mariana Dabeva, Department of Medicine at Albert Einstein College of Medicine .

Specification

Product Description

Rabbit polyclonal antibody raised against synthetic peptide of GPC3.

Immunogen	A synthetic peptide (conjugated with KLH) corresponding to amino acids 530-560 at C-terminus of human GPC3.
Host	Rabbit
Reactivity	Mouse
Form	Liquid
Purification	Protein G purification
Recommend Usage	ELISA (1:1000) Western Blot (1:50-100) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Tissue lysate)

Western blot analysis of GPC3 polyclonal antibody (Cat # PAB4437) in mouse lung tissue.

- Western Blot (Cell lysate)

Western blot analysis of Jurkat cell lysate (35 ug/lane) with GPC3 polyclonal antibody (Cat # PAB4437).

- Immunofluorescence

Immunofluorescence staining of GPC3 polyclonal antibody (Cat # PAB4437) on HepG2 cells . The cells were acetone fixated . Antibody dilution of 1 : 50 . Original magnification 1 : 400 . Data and protocol courtesy of Dr . Mariana Dabeva, Department of Medicine at Albert Einstein College of Medicine .

- Enzyme-linked Immunoabsorbent Assay

Gene Info — GPC3

Entrez GeneID

[2719](#)

Protein Accession#

[NP_004475:P51654](#)

Gene Name	GPC3
Gene Alias	DGSX, OCI-5, SDYS, SGB, SGBS, SGBS1
Gene Description	glypican 3
Omim ID	194070 300037 312870
Gene Ontology	Hyperlink
Gene Summary	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 protein encoded by this gene can bind to and inhibit the dipeptidyl peptidase activity of CD26, and it can induce apoptosis in certain cell types. Deletion mutations in this gene are associated with Simpson-Golabi-Behmel syndrome, also known as Simpson dysmorphia syndrome. Alternative splicing results in multiple transcript variants. [provided by RefSeq]
Other Designations	OTTHUMP00000024058 OTTHUMP00000062492 glypican proteoglycan 3

Publication Reference

- [Identification of glypican-3 as a novel tumor marker for melanoma.](#)**
 Nakatsura T, Kageshita T, Ito S, Wakamatsu K, Monji M, Ikuta Y, Senju S, Ono T, Nishimura Y.
 Clinical Cancer Research 2004 Oct; 10(19):6612.
- [Methylation analysis of the glypican 3 gene in embryonal tumours.](#)**
 Boily G, Saikali Z, Sinnett D.
 British Journal of Cancer 2004 Apr; 90(8):1606.
- [Glypican-3 is involved in cellular protection against mitoxantrone in gastric carcinoma cells.](#)**
 Wichert A, Stege A, Midorikawa Y, Holm PS, Lage H.
 Oncogene 2004 Jan; 23(4):945.