OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for AP13408PU-N

Glypican 3 (GPC3) (Center) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, WB
Recommended Dilution:	**ELISA:** 1/1,000. **Western blot:** 1/50-1/100. **Immunofluorescence.**
Reactivity:	Human
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	KLH conjugated synthetic peptide selected from the center region of Human GPC3 (aa 345-370)
Specificity:	This antibody recognizes Human and Mouse Glypican 3 (GPC3). Other species not tested.
Formulation:	PBS containing 0.09% (W/V) Sodium Azide as preservative State: Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Protein G Column, eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	glypican 3
Database Link:	Entrez Gene 2719 Human P51654

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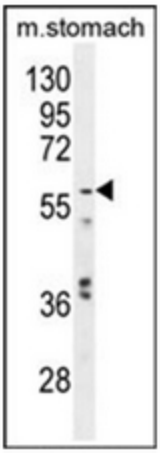
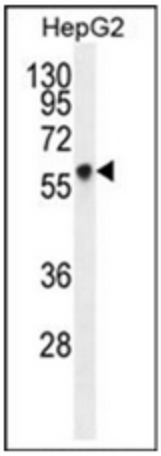
Background: GPC3 is a cell surface proteoglycan that bears heparan sulfate. This protein may be involved in the suppression/modulation of growth in the predominantly mesodermal tissues and organs, and may play a role in the modulation of IGF2 interactions with its receptor and thereby modulate its function. Members of the glypican-related integral membrane proteoglycan family contain a core protein anchored to the cytoplasmic membrane via a glycosyl phosphatidylinositol (GPI) linkage. These proteins may play a role in the control of cell division, growth regulation, and tumor predisposition. Deletion mutations in GPC3 are the cause of Simpson-Golabi-Behmel syndrome (SGBS), also known as Simpson dysmorphia syndrome (SDYS). SGBS is a condition characterized by pre- and postnatal overgrowth (gigantism) with visceral and skeletal anomalies.

Synonyms: Intestinal protein OCI-5, GTR2-2, MXR7, OCI5

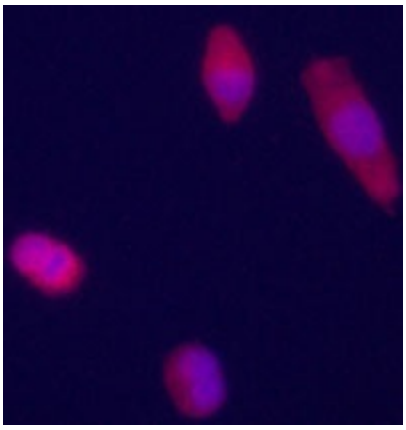
Product images:



Western blot analysis in Mouse stomach tissue lysates using GPC3 Antibody (35ug/lane). This demonstrates the GPC3 antibody detected the GPC3 protein (arrow).



Western blot analysis in HepG2 cell line lysates using GPC3 Antibody (35ug/lane). This demonstrates the GPC3 antibody detected the GPC3 protein (arrow).



Immunofluorecence staining of GPC3 Antibody 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.*