

Rabbit anti-Human, mouse Glypican 3 (GPC3) Polyclonal Antibody | anti-GPC3 antibody

Glypican 3 (GPC3) Antibody (Center)

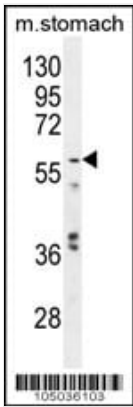
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA288018	Rabbit	Human, mouse	Western Blot, ELISA, Immunofluorescence

PRODUCT SYNONYMS

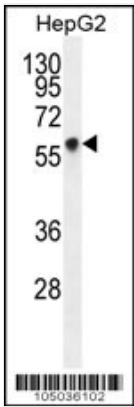
Glypican 3 (GPC3); Polyclonal Antibody; Glypican 3 (GPC3) Antibody (Center); Glypican-3; GTR2-2; Intestinal protein OCI-5; MXR7; Secreted glypican-3; GPC3; OCI5; anti-GPC3 antibody

PRODUCT SPECIFICATIONS

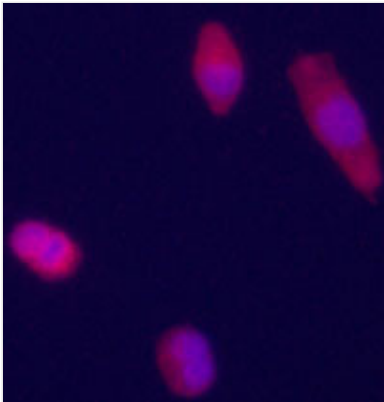
Host	Rabbit
Reactivity	Human, mouse
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This Glypican 3 (GPC3) antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 335-365 amino acids from the Central region of human Glypican 3 (GPC3).
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/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.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	335-365
Sequence Length	603
Applicable Applications for anti-GPC3 antibody	WB (Western Blot), ELISA, IF (Immunofluorescence)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



WB (Western Blot)
GPC3 Antibody?C349? western blot analysis in mouse stomach tissue lysates (35ug/lane).This demonstrates the GPC3 antibody detected the GPC3 protein (arrow).



WB (Western Blot)
GPC3 Antibody?C349? western blot analysis in HepG2 cell line lysates (35ug/lane).This demonstrates the GPC3 antibody detected the GPC3 protein (arrow).



IF (Immunofluorescence)
Immunofluorescence staining of anti-GPC3 Pab 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.

ADDITIONAL INFORMATION

Related Product Information for anti-GPC3 antibody	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.
Product Categories/Family for anti-GPC3 antibody	Cancer; Developmental biology; Signal transduction
References	Nakatsura, T., et al., Clin. Cancer Res. 10(19):6612-6621 (2004). Boily, G., et al., Br. J. Cancer 90(8):1606-1611 (2004). Wichert, A., et al., Oncogene 23(4):945-955 (2004). Midorikawa, Y., et al., Int. J. Cancer 103(4):455-465 (2003). Sung, Y.K., et al., Cancer Sci. 94(3):259-262 (2003).

NCBI AND UNIPROT INFORMATION

NCBI GI #	257471006
NCBI GeneID	2719

NCBI Accession #	NP_001158089.1; NP_001158091.1; NP_004475.1
NCBI GenBank Nucleotide #	NM_001164617.1
UniProt Accession #	P51654; Q2L880; Q2L882; C9JLE3; G3V1R0
Molecular Weight	65563
NCBI Official Full Name	glypican-3 isoform 1
NCBI Official Synonym Full Names	glypican 3
NCBI Official Symbol	GPC3
NCBI Official Synonym Symbols	SGB; DGSX; MXR7; SDYS; SGBS; OCI-5; SGBS1; GTR2-2
NCBI Protein Information	glypican-3
UniProt Protein Name	Glypican-3
UniProt Gene Name	GPC3
UniProt Synonym Gene Names	OCI5
UniProt Entry Name	GPC3_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/glypican-3-gpc3-antibody-western-blot-immunofluorescence-elisa/288018>