

Rabbit GPC1/Glypican Polyclonal Antibody | anti-GPC1 antibody

Anti-GPC1/Glypican Antibody (Internal)

CATALOG # AAA162279	HOST Rabbit	REACTIVITY HumanPredicted: Mouse, Rat	APPLICATIONS Western Blot, Immunohistochemistry, ELISA
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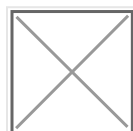
PRODUCT SYNONYMS

GPC1/Glypican; Polyclonal Antibody; Anti-GPC1/Glypican Antibody (Internal); Mouse Monoclonal (IgG1; k) to Human GPC1/Glypican; GPC1; Glypican 1; Glypican; Glypican-1; Glypican proteoglycan 1; anti-GPC1 antibody

PRODUCT SPECIFICATIONS

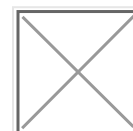
Host	Rabbit
Reactivity	Human Predicted: Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	This antibody is specific for human glypican-1 protein. A BLAST analysis was used to suggest partial cross-reactivity with glypican from rat, mouse, Macaque, dog, cattle, and opossum sources based on 100 - 88% homology with the immunizing sequence. Cross-reactivity with glypican from other sources has not been determined.
Purity/Purification	Protein A purified
Form/Format	0.02 M potassium phosphate, 0.15 M sodium chloride, pH 7.2, 0.01% sodium azide, sterile filtered
Sequence Length	558
Applicable Applications for anti-GPC1 antibody	WB (Western Blot), IHC (Immunohistochemistry), ELISA
Immunogen	This protein A purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to an internal region of human glypican-1 protein.
Conjugation	Unconjugated
Epitope	Internal
Preparation and Storage	Short Term: Store at 4 degree C Long Term: Aliquot and store at -20 degree C Avoid freeze thaw cycles.

IMAGES



WB (Western Blot)

Anti-Glypican-1 Antibody - Western Blot. Western blot of protein A purified anti-Glypican-1 antibody shows detection of exogenous glypican-1 in 50 ug 293T whole cell lysate (lane 2). Minor bands may represent post translational modifications of glypican-1. The blot was incubated overnight with primary antibody at a 1:1000 dilution followed by washes and exposure to the secondary antibody HRP Gt-a-Rabbit IgG diluted 1:5000 in 5% BLOTTO at 4C. Lane 1: untransfected 293T cell lysate. Personal Communication, Caterina Bianco, CCR-NCI, Bethesda, MD.



IHC (Immunohistochemistry)

Anti-GPC1/Glypican antibody IHC staining of human skin. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 10 ug/ml.

ADDITIONAL INFORMATION

Related Product Information for anti-GPC1 antibody	Cell surface proteoglycan that bears heparan sulfate. Binds, via the heparan sulfate side chains, alpha-4 (V) collagen and participates in Schwann cell myelination (By similarity). May act as a catalyst in increasing the rate of conversion of prion protein PRPN(C) to PRNP(Sc) via associating (via the heparan sulfate side chains) with both forms of PRPN, targeting them to lipid rafts and facilitating their interaction.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	167001141
NCBI GeneID	2817
NCBI Accession #	NP_002072.2
NCBI GenBank Nucleotide #	NM_002081.2
UniProt Accession #	P35052; Q53QM4; B3KTD1
Molecular Weight	31,931 Da
NCBI Official Full Name	glypican-1
NCBI Official Synonym Full Names	glypican 1
NCBI Official Symbol	GPC1
NCBI Official Synonym Symbols	glypican
NCBI Protein Information	glypican-1
UniProt Protein Name	Glypican-1
UniProt Gene Name	GPC1

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/gpc1-glypican-antibody-western-blot-immunohistochemistry-elisa/162279>