



Rabbit Anti-Glypican 2 antibody

SL13450R

Product Name:	Glypican 2
Chinese Name:	磷脂酰基醇蛋白聚糖2抗体
Alias:	Glypican-2; Gpc2; GPC2_HUMAN; Secreted glypican-2.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	58/61kDa
Cellular localization:	The cell membraneExtracellular matrixSecretory protein
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human Glypican 2/GPC2:24-100/579
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 癆 for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20癆. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 癆.
PubMed:	PubMed
Product Detail:	Glypican-1 (GPC1), glypican-2 (GPC2) and glypican-3 (GPC3) are members of the glypican family of heparan sulfate proteoglycans, which attach to the cell membrane via a glycosylphosphatidylinositol (GPI) anchor. Cell-surface heparan sulfate proteoglycans participate in molecular events that regulate cell adhesion, migration, and proliferation. Glypican-2, a cell surface proteoglycan bearing heparan sulfate, may have a function related to the motile behaviors of developing neurons. Ligation of cell-

surface glypican-2 with midkine (MK) or an; against epitope-tagged glypican-2 induces cell adhesion and promotes neurite outgrowth. MK binds to heparan sulfate chains of glypican-2 in a manner similar to syndecan-3, but different localization of epitope-tagged glypican-2 and syndecan-3 on the surface of N2?cells suggests that they may play different roles in MK-mediated neural function.

Function:

Cell surface proteoglycan that bears heparan sulfate. May fulfill a function related to the motile behaviors of developing neurons.

Subcellular Location:

Cell membrane; Lipid-anchor, GPI-anchor; Extracellular side.
Secreted glypican-2: Secreted, extracellular space.

Similarity:

Belongs to the glypican family.

SWISS:

Q8N158

Gene ID:

221914

Database links:

[Entrez Gene: 221914](#)Human

[Entrez Gene: 71951](#)Mouse

[SwissProt: Q8N158](#)Human

[SwissProt: Q8BKV1](#)Mouse

[Unigene: 211701](#)Human

[Unigene: 77066](#)Mouse

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Picture:



Sample:

Kidney (Mouse) Lysate at 40 ug

Primary: Anti- Glypican 2 (SL13450R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 58/61 kD

Observed band size: 61 kD

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