

Glypican 3 (GPC3) Rabbit pAb

Catalog No.: A1946SP

Basic Information

Observed MW

66 kDa

Calculated MW

59 kDa/66 kDa/68 kDa

Category

Primary antibody

Applications

WB, ELISA

Cross-Reactivity

Mouse, Rat

Background

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.

Recommended Dilutions

WB 1:5000 - 1:10000

ELISA Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements. For high-ratio antibody dilutions ($\geq 1:10000$) a sequential dilution method is strongly recommended to ensure measurement accuracy.

Immunogen Information

Gene ID

2719

Swiss Prot

P51654

Immunogen

This information is considered to be commercially sensitive.

Synonyms

SGB; DGSX; MXR7; SDYS; SGBS; OCI-5; SGBS1; GTR2-2; Glypican 3 (GPC3)

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

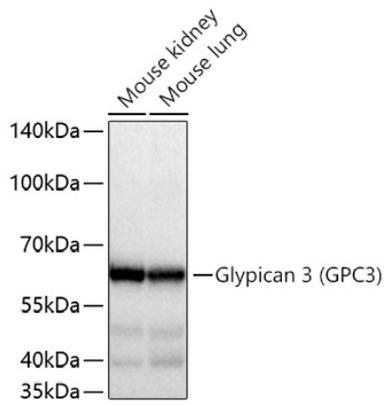
Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS, pH 7.3, containing 50% glycerol. Preserved with Proclin300 or sodium azide. May contain 0.05% BSA as specified on the Certificate of Analysis.

Validation Data



Western blot analysis of various lysates using Glypican 3 (GPC3) Rabbit pAb (A1946SP) at 1:8000 dilution incubated overnight at 4°C.

Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25 µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 0.5 s.