

Product datasheet for **AP02031SU-S**

Glypican 4 (GPC4) (88-101) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	Western blot: 1/1000 (Ref.2). Immunohistochemistry: 1/1000 (Ref.2).
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Synthetic glypican-4 peptide (aa 88-101) coupled to KLH.
Specificity:	Specific for a core protein epitope (aa 88-101) of Glypican-4. Although the antiserum was prepared against a peptide from Human Glypican-4, due to the highly conserved structure and sequence of Glypican-4, This AP02031SU raised against Human Glypican-4 (aa88-101) was used successfully to study brain development in the Mouse.
Formulation:	State: Serum State: Lyophilized Serum
Reconstitution Method:	Restore in aqua bidest to initial volume.
Conjugation:	Unconjugated
Storage:	Store lyophilized at 2-8°C for 6 months or at -20°C long term. After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	glypican 4
Database Link:	Entrez Gene 2239 Human O75487



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Background:

Glypican-4, previously known as K-glypican, is a GPI-linked cell surface heparan sulfate proteoglycan of the glypican gene family, that comprises 6 members at present. Its function is only partially understood at present. However, glypican-4 seems to be involved in the control of cell growth and differentiation, especially in the development of the central nervous system and the kidney. Furthermore, glypican-4 is expressed by haematopoietic stem cells and bone marrow stromal cells.

Synonyms:

Glypican 4, K-glypican