

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse Glypican 6 in direct ELISAs and Western blots.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse Glypican 6 Asp24-Val513 Accession # Q9R087
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the *Technical Information* section on our website.

	Recommended Concentration	Sample
Western Blot	0.1 µg/mL	Recombinant Mouse Glypican 6
Immunohistochemistry	5-15 µg/mL	Immersion fixed frozen sections of mouse embryo (E13)

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.2 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	<p>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</p> <ul style="list-style-type: none"> • 12 months from date of receipt, -20 to -70 °C as supplied. • 1 month, 2 to 8 °C under sterile conditions after reconstitution. • 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

Glypican 6 (glypiated proteoglycan 6; also GPC6) is an 85-95 kDa heparan sulfate proteoglycan member of the GPI-linked glypican family of molecules. It is expressed by postnatal chondrocytes and embryonic mesenchyme (connective tissue plus smooth muscle cells), and potentially modulates the availability, or signaling, of heparin-binding growth factors. Mouse Glypican 6 is synthesized as a 532 amino acid (aa) precursor that contains a 507 mature region (aa 4-530) and a 25 aa C-terminal prosegment. There is one potential splice variant that shows a 10 aa insertion after Leu384. Over aa 4-513, mouse Glypican 6 shares 99% aa identity with both human and rat Glypican 6.