

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
Conjugate	Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

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.

Western Blot	Optimal dilution of this antibody should be experimentally determined.
Immunohistochemistry	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

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.

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