

#### Glypican 3

Mouse Monoclonal Antibody (Mab) Catalog # APA291

### Specification

# **Glypican 3 - Product Information**

Application Primary Accession	<b>IHC</b> P51654
Host	Mouse
Clonality	Monoclonal
Calculated MW	65563 Da

## **Glypican 3 - Additional Information**

Gene ID 2719 Gene Name GPC3 Other Names Glypican-3, GTR2-2, Intestinal protein OCI-5, MXR7, Glypican-3 alpha subunit, Glypican-3 beta subunit, GPC3, OCI5

**Dilution** IHC~~1:100~500

Storage

Precautions

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles. Glypican 3 is for research use only and not for use in diagnostic or therapeutic procedures.

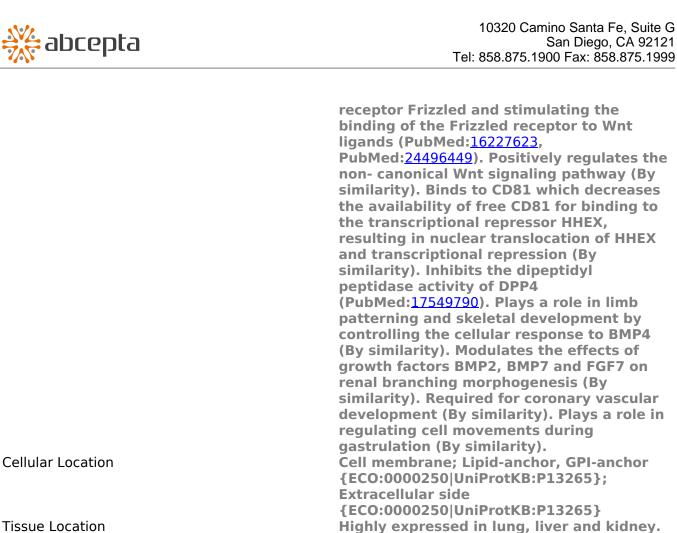
#### **Glypican 3 - Protein Information**

Name GPC3

Synonyms Function

### **OCI5**

Cell surface proteoglycan that bears heparan sulfate (PubMed:<u>14610063</u>). Negatively regulates the hedgehog signaling pathway when attached via the GPI-anchor to the cell surface by competing with the hedgehog receptor PTC1 for binding to hedgehog proteins (By similarity). Binding to the hedgehog protein SHH triggers internalization of the complex by endocytosis and its subsequent lysosomal degradation (By similarity). Positively regulates the canonical Wnt signaling pathway by binding to the Wnt



# **Tissue Location**

## Glypican 3 - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- <u>Cell Culture</u>

**Glypican 3 - Images**