



Glypican 3

Mouse Monoclonal antibody(Mab)
Catalog # AD80291

Specification

Glypican 3 - Product info

Application IHC-P
Primary Accession P51654
Reactivity Human
Host Mouse
Clonality Monoclonal
Calculated MW 65563

Glypican 3 - Additional info

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-P~~Ready-to-use

Storage

Maintain refrigerated at 2-8°C

Precautions Glypican 3 Antibody is for research use

only and not for use in diagnostic or

therapeutic procedures.

Glypican 3 - Protein Information

Name GPC3

Synonyms OCI5

Function Cell surface proteoglycan that bears heparan sulfate (PubMed: 14610063).

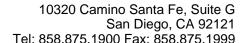
Negatively regulates the hedgehog signaling pathway when attached via the

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



receptor Frizzled and stimulating the binding of the Frizzled receptor to Wnt

the transcriptional repressor HHEX,

and transcriptional repression (By similarity). Inhibits the dipeptidyl

PubMed: 24496449). Positively regulates the non-canonical Wnt signaling pathway (By similarity). Binds to CD81 which decreases the availability of free CD81 for binding to

resulting in nuclear translocation of HHEX

Cell membrane; Lipid-anchor, GPI-anchor {ECO:0000250|UniProtKB:P13265};

Highly expressed in lung, liver and kidney.

{ECO:0000250|UniProtKB:P13265}

ligands (PubMed:16227623,

peptidase activity of DPP4

Extracellular side



(PubMed:17549790). Plays a role in limb patterning and skeletal development by controlling the cellular response to BMP4 (By similarity). Modulates the effects of growth factors BMP2, BMP7 and FGF7 on renal branching morphogenesis (By similarity). Required for coronary vascular development (By similarity). Plays a role in regulating cell movements during gastrulation (By similarity).

Cellular Location

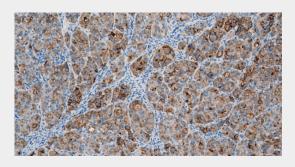
Tissue Location

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
- Cell Culture

Glypican 3 - Images



Liver cancer