

Glypican 3 Rabbit mAb
Catalog # AP77195**Specification****Glypican 3 Rabbit mAb - Product Information**

Application	WB
Primary Accession	P51654
Reactivity	Human
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	65563

Glypican 3 Rabbit mAb - Additional Information

Gene ID 2719

Other Names

GPC3

Dilution

WB~~1/500-1/1000

Format

Liquid

Glypican 3 Rabbit mAb - Protein Information

Name GPC3

Synonyms OCI5

Function

Cell surface proteoglycan (PubMed: [14610063](http://www.uniprot.org/citations/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 ligands (PubMed: [16227623](http://www.uniprot.org/citations/16227623), PubMed: [24496449](http://www.uniprot.org/citations/24496449)). Positively regulates the non-canonical Wnt signaling pathway (By similarity). Binds to CD81 which decreases the availability of free CD81 for binding to the transcriptional repressor HHEX, resulting in nuclear translocation of HHEX and transcriptional repression (By similarity). Inhibits the dipeptidyl peptidase activity of DPP4 (PubMed: [17549790](http://www.uniprot.org/citations/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

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

Tissue Location

Detected in placenta (at protein level) (PubMed:32337544). Highly expressed in lung, liver and kidney

Glypican 3 Rabbit mAb - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Glypican 3 Rabbit mAb - Images

