

# Glypican 3 Rabbit mAb

Catalog # AP77195

## Product Information

---

<b>Application</b>	WB, FC
<b>Primary Accession</b>	<a href="#">P51654</a>
<b>Reactivity</b>	Human
<b>Host</b>	Rabbit
<b>Clonality</b>	Monoclonal Antibody
<b>Isotype</b>	IgG
<b>Conjugate</b>	Unconjugated
<b>Immunogen</b>	A synthesized peptide derived from human Glypican 3
<b>Purification</b>	Affinity Chromatography
<b>Calculated MW</b>	65563

## Additional Information

---

<b>Gene ID</b>	2719
<b>Other Names</b>	GPC3
<b>Dilution</b>	WB~~1/500-1/1000 FC~~1:10~50
<b>Format</b>	Liquid in 10mM PBS, pH 7.4, 150mM sodium chloride, 0.05% BSA, 0.02% sodium azide and 50% glycerol.
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

## Protein Information

---

<b>Name</b>	GPC3
<b>Synonyms</b>	OCI5
<b>Function</b>	Cell surface proteoglycan (PubMed: <a href="#">14610063</a> ). 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: <a href="#">16227623</a> , PubMed: <a href="#">24496449</a> ). 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](#)). 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**

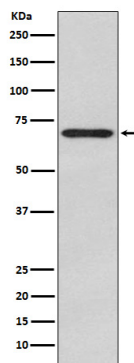
Cell membrane; Lipid-anchor, GPI-anchor {ECO:0000250|UniProtKB:P13265}; Extracellular side {ECO:0000250|UniProtKB:P13265}

**Tissue Location**

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

## Images

---



Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.