

Recombinant Anti-Glypican 3 Rabbit mAb

Catalog # AP95062

Product Information

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

Additional Information

Gene ID	2719
Other Names	OCI5; Glypican-3; GTR2-2; Intestinal protein OCI-5; MXR7
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within human Glypican 3 protein. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) FC~~1:10~50
Format	Liquid in PBS, pH 7.3, 50% glycerol, 0.05% BSA, and 0.05% Proclin300.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

Name	GPC3
Synonyms	OCI5
Function	Cell surface proteoglycan (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 ligands (PubMed: 16227623 , 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 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).

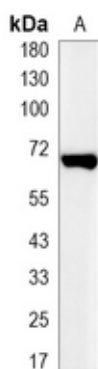
Cellular Location

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



Western blot analysis of Glypican 3 expression in HepG2 (A) whole cell lysates. (Predicted band size: 66 kD; Observed band size: 66 kD)

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