

Anti-GPC3 Antibody (2M347)

Product Details

Ig Type:	Human IgG1
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	2M347
Purification:	Affinity-chromatography

Applications

Verified Activity:	The Binding Activity of Human GPC3 with Anti-GPC3 recombinant Antibody Activity: Measured by its binding ability in a functional ELISA. Immobilized Human GPC3 at 2 µg/mL can bind Anti- GPC3 recombinant Antibody, the EC50 is 2.783-3.653 ng/mL.
Application:	ELISA

Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	Recombinant Protein: Human GPC3 Protein
Antigen Species:	Human
Gene ID:	2719
Uniprot ID:	P51654
Synonyms:	SGB;OCI-5;Glypican 3;SGBS1;SGBS;MXR7;GTR2-2;DGSX;SDYS
Biology Area:	Immunology

Research Background

Cell surface proteoglycan that bears heparan sulfate. 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. Binding to the hedgehog protein SHH triggers internalization of the complex by endocytosis and its subsequent lysosomal degradation. 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. Positively regulates the non-canonical Wnt signaling pathway. 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. Inhibits the dipeptidyl peptidase activity of DPP4. Plays a role in limb patterning and skeletal development by controlling the cellular response to BMP4. Modulates the effects of growth factors BMP2, BMP7 and FGF7 on renal branching morphogenesis. Required for coronary vascular development. Plays a role in regulating cell movements during gastrulation.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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