DATASHEET

Glypican 3 Rabbit Polyclonal Antibody

CAT. NO. APA13466

KEY FEATURES

Target	Glypican 3	Source / Host	Rabbit
Reactivity	Human, Mouse, Rat	Clonality	Polyclonal
Applications	WB	Conjugation	Unconjugated
Form / Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.	Storage	at-20°C

BACKGROUND

Cell surface proteoglycan . 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 .

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:1000

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

Description	Rabbit polyclonal antibody to Glypican 3
Specificity	Recognizes endogenous levels of Glypican 3 protein.
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human Glypican 3
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 59; Observed: 66 kD
Form/Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	OCI5; Glypican-3; GTR2-2; Intestinal protein OCI-5; MXR7
Gene Symbol	GPC3
Entrez Gene	2719(Human); 14734(Mouse); 25236(Rat)
SwissProt	P51654(Human); Q8CFZ4(Mouse); P13265(Rat)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

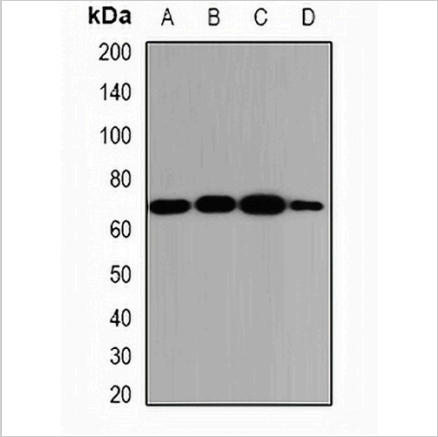
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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Western blot analysis of Glypican 3 expression in BT474 (A), MCF7 (B), mouse kidney (C), mouse testis (D) whole cell lysates. (Predicted band size: 59; 65; 68 kD; Observed band size: 66 kD)

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.