GPC4 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	GPC4, Polyclonal Antibody
Full Product Name	GPC4, NT (Glypican-4, K-glypican, Secreted Glypican-4, UNQ474/PRO937) (MaxLight 550)
Product Gene Name	anti-GPC4 antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight550.
Purity/Purification	Purified by Ammonium Sulfate Precipitation.
Specificity	Recognizes human GPC4.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight550 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	54,910 Da
OMIM	300168
3D Structure	ModBase 3D Structure for O75487
Immunogen	Synthetic peptide selected from the N-term region of human GPC4 (KLH).
Conjugate	MaxLight550
Note	Preservative Free
Product Categories/Family for anti-GPC4 antibody	Antibodies; Proteoglycans
Applications Tested/Suitable for anti-GPC4 antibody	Immunohistochemistry (IHC), FLISA
Application Notes for anti-GPC4 antibody	IHC: 1:10-1:50 FLISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-GPC4 antibody	MBS6478612 is an antibody targeting GPC4. Also known as GPC4, NT (Glypican-4, K-glypican, Secreted Glypican-4, UNQ474/PRO937) (MaxLight 550). Reactive in Human. Host: Rabbit.
Product References and Citations for anti-GPC4 antibody	1. Karumanchi, S.A., Mol. Cell 7(4), 811-822 (2001). 2. Hagihara, K., Dev. Dyn. 219(3), 353-367 (2000). 3. Veugelers, M., Hum. Mol. Genet. 9(9), 1321-1328 (2000). 4. Veugelers, M., Genomics 53(1), 1-11 (1998).
Other Notes	Small volumes of anti-GPC4 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for GPC4. It may not necessarily be applicable to this product.

NCBI GI #	21614525
NCBI GeneID	2239
NCBI Accession #	NP_001439
UniProt Primary Accession #	O75487
UniProt Secondary Accession #	Q6ZMA6; Q96L43; Q9NU08; Q9UJN1; Q9UPD9; B2R6J7; B4E2C0
UniProt Related Accession #	O75487
GenBank Nucleotide #	NM_001448.2
NCBI Official Full Name	glypican-4
NCBI Official Synonym Full Names	glypican 4
NCBI Official Symbol	GPC4
NCBI Official Synonym Symbols	K-glypican
UniProt Protein Name	Glypican-4
UniProt Synonym Protein Names	K-glypican
Protein Family	Glypican
UniProt Gene Name	GPC4
UniProt Entry Name	GPC4_HUMAN
NCBI Protein Information	glypican-4; dJ900E8.1 (glypican 4); glypican proteoglycan 4
UniProt Comments for GPC4	GPC4: Cell surface proteoglycan that bears heparan sulfate. May be involved in the development of kidney tubules and of the central nervous system. Belongs to the glypican family. Protein type: Membrane protein, GPI anchor; Motility/polarity/chemotaxis Chromosomal Location of Human Ortholog: Xq26.1 Cellular Component: proteinaceous extracellular matrix; extracellular space; lysosomal lumen; integral to plasma membrane; Golgi lumen; plasma membrane; nucleus; external side of plasma membrane Molecular Function: heparan sulfate proteoglycan binding Biological Process: chondroitin sulfate metabolic process; glycosaminoglycan biosynthetic process; phototransduction, visible light; cell proliferation; glycosaminoglycan catabolic process; anatomical structure morphogenesis; glycosaminoglycan metabolic process; carbohydrate metabolic process; pathogenesis; retinoid metabolic process Disease: Simpson-golabi-behmel Syndrome, Type 1; Wilms Tumor 1
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