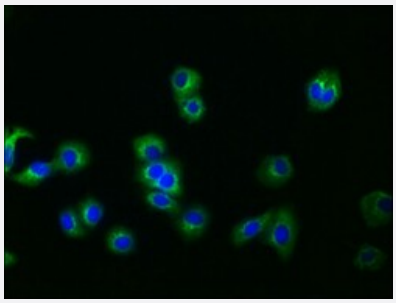
RecomAb™ Sm Size

GPC3 recombinant monoclonal antibody, clone 4H11

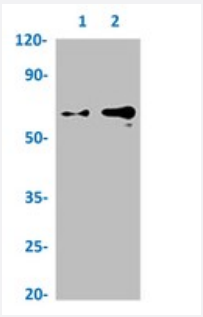
Catalog # RAB08187 Size 50 uL

Applications



Immunofluorescence

Immunofluorescent staining of HepG2 cells with GPC3 recombinant monoclonal antibody (diluated at 1:30). The secondary antibody was Alexa Fluor 488-congugated goat anti-rabbit IgG (green). Counter-stain DAPI was used (blue).



Western Blot

Western blot analysis of
Lane 1: 293 whole cell lysate and
Lane 2: K562 whole cell lysate with GPC3 recombinant monoclonal antibody.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human GPC3.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to human GPC3.
Theoretical MW (kDa)	Calculated MW: 66, 6
Reactivity	Human
Form	Liquid

Copyright © 2023 Abnova Corporation. All Rights Reserved.

Preparation Method	Mammalian cell (HEK293) expression system
Purification	Affinity chromatography
Isotype	IgG
Recommend Usage	ELISA Immunofluorescence (1:20-1:200) Western Blot (1:500-1:5000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH7.4 (150mM NaCl, 50% glycerol and 0.02% sodium azide)
Storage Instruction	Store at -20 °C or -80 °C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunofluorescence

  Immunofluorescent staining of HepG2 cells with GPC3 recombinant monoclonal antibody (diluated at 1:30). The secondary antibody was Alexa Fluor 488-congugated goat anti-rabbit IgG (green). Counter-stain DAPI was used (blue).

- Enzyme-linked Immunoabsorbent Assay

- Western Blot

  Western blot analysis of
  Lane 1: 293 whole cell lysate and
  Lane 2: K562 whole cell lysate with GPC3 recombinant monoclonal antibody.

Gene Info — GPC3

Entrez GeneID	2719
Protein Accession#	P51654
Gene Name	GPC3
Gene Alias	DGSX, OCI-5, SDYS, SGB, SGBS, SGBS1
Gene Description	glypican 3
Omim ID	194070 300037 312870

Copyright © 2023 Abnova Corporation. All Rights Reserved.

Gene Ontology	Hyperlink
Gene Summary	Cell surface heparan sulfate proteoglycans are composed of a membrane-associated protein cor e substituted with a variable number of heparan sulfate chains. Members of the glypican-related in tegral membrane proteoglycan family (GRIPS) contain a core protein anchored to the cytoplasmic membrane via a glycosyl phosphatidylinositol linkage. These proteins may play a role in the contr ol of cell division and growth regulation. The protein encoded by this gene can bind to and inhibit t he dipeptidyl peptidase activity of CD26, and it can induce apoptosis in certain cell types. Deletio n mutations in this gene are associated with Simpson-Golabi-Behmel syndrome, also known as S impson dysmorphia syndrome. Alternative splicing results in multiple transcript variants. [provided by RefSeq
Other Designations	OTTHUMP00000024058|OTTHUMP00000062492|glypican proteoglycan 3

Copyright © 2023 Abnova Corporation. All Rights Reserved.