GPC3 recombinant antibody

Anti-Human GPC3 Antibody (YP7)

CATALOG #	REACTIVITY	APPLICATIONS
AAA120368	**Human, Mouse**	**Western Blot, Flow Cytometry, Functional Assay, ELISA**

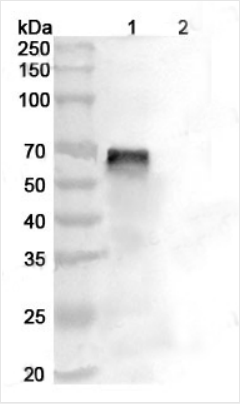
PRODUCT SYNONYMS

GPC3; Monoclonal Recombinant Antibody; Anti-Human GPC3 Antibody (YP7); MXR7; GTR2-2; Glypican-3; Intestinal protein OCI-5; OCI5; GPC3 recombinant antibody

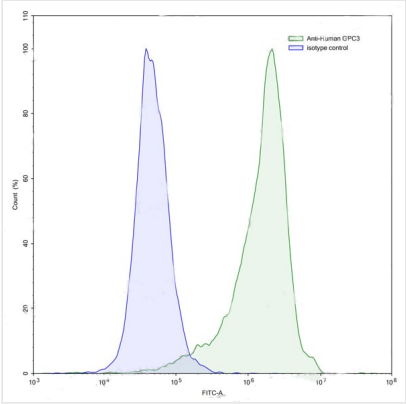
PRODUCT SPECIFICATIONS

Reactivity	Human, Mouse
Clonality	Monoclonal
Isotype	IgG1, kappa
Clone Number	YP7
Purity/Purification	>95% by SDS-PAGE Protein A or G purified from cell culture supernatant.
Form/Format	Liquid; 0.01M PBS, pH7.4.
Concentration	1mg/ml (varies by lot)
Applicable Applications for GPC3 recombinant antibody	WB (Western Blot), FCM/FACS (Flow Cytometry), ELISA
Host Species	Human
Preparation and Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. Store at +4 degree C short term (1-2 weeks). Store at -20 degree C 12 months. Store at -80 degree C long term.

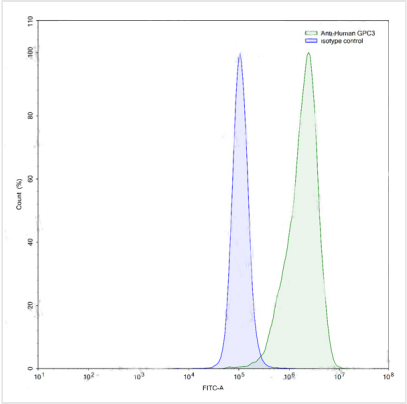
IMAGES



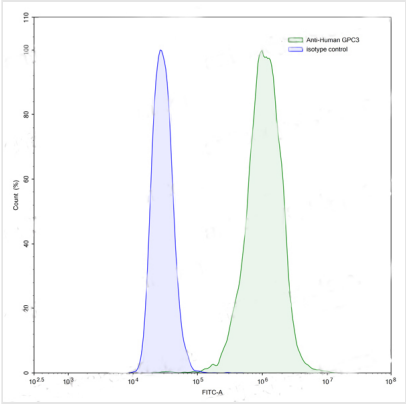
WB (Western Blot)
Various lysates were subjected to SDS PAGE followed by western blot with GPC3 antibody (RHE84602) at 1?ug/ml.Lane 1: Human GPC3 transfected HEK293 cell lysateLane 2: Non-transfected HEK293 cell lysateSecond Ab: Goat Anti-Human IgG H&L Polyclonal antibody, HRP (PHB96431) at 0.1 ug/mL.Predict MW: 63 kDa



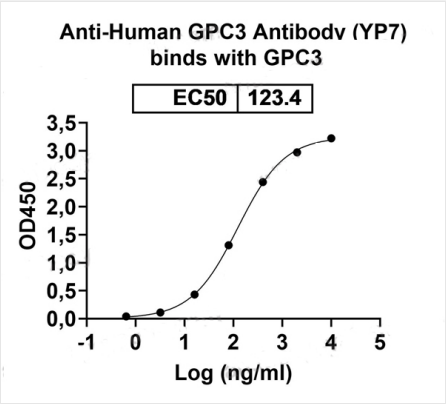
FCM/FACS (Flow Cytometry)
Flow-cytometry using anti-human GPC3 antibody.Human Jurkat cell line were stained with an irrelevant antibody (Blue Histogram) or an anti-human GPC3 antibody monoclonal antibody (Catalog # RHE84602 ,Green Histogram) at a concentration of 5 ?ug/ml for 30 mins at RT. After washing, bound antibody was detected using a FITC conjugated goat anti-human antibody (Catalog # PHB96441) and cells analysed on a NovoCyte Flow Cytometer.



FCM/FACS (Flow Cytometry)
Flow-cytometry using anti-human GPC3 antibody.HepG2 cells were stained with an irrelevant antibody (Blue Histogram) or an anti-human GPC3 antibody monoclonal antibody (Catalog # RHE84602 ,Green Histogram) at a concentration of 5 ?ug/ml for 30 mins at RT. After washing, bound antibody was detected using a FITC conjugated goat anti-human antibody (Catalog # PHB96441) and cells analysed on a NovoCyte Flow Cytometer.



FCM/FACS (Flow Cytometry)
Flow-cytometry using anti-human GPC3 antibody.GPC3 Transfected CHO cells were stained with an irrelevant antibody (Blue Histogram) or an anti-human GPC3 antibody monoclonal antibody (Catalog # RHE84602 ,Green Histogram) at a concentration of 5 ?ug/ml for 30 mins at RT. After washing, bound antibody was detected using a FITC conjugated goat anti-human antibody (Catalog # PHB96441) and cells analysed on a NovoCyte Flow Cytometer.



Bioactivity
Detects Human GPC3 in indirect ELISAs.

ADDITIONAL INFORMATION

Product Categories/Family for GPC3 recombinant antibody	Recombinant Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	257471010
NCBI GeneID	2719
NCBI Accession #	NP_001158091.1
NCBI GenBank Nucleotide #	NM_001164619.1
UniProt Accession #	P51654; Q2L880; Q2L882; C9JLE3; G3V1R0
Molecular Weight	65,563 Da
NCBI Official Full Name	glypican-3 isoform 4
NCBI Official Synonym Full Names	glypican 3
NCBI Official Symbol	GPC3
NCBI Official Synonym Symbols	SGB; DGSX; MXR7; SDYS; SGBS; OCI-5; SGBS1; GTR2-2
NCBI Protein Information	glypican-3; secreted glypican-3; glypican proteoglycan 3; intestinal protein OCI-5; heparan sulphate proteoglycan

UniProt Protein Name	Glypican-3
UniProt Gene Name	**GPC3**
UniProt Synonym Gene Names	OCI5
UniProt Entry Name	GPC3_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://www.aaabiotech.com/monoclonal/gpc3-recombinant-antibody-clone-yp7-western-blot-flow-cytometry-elisa/120368