

Rabbit GYPC Polyclonal Antibody | anti-GYPC antibody

GYPC Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA326139	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

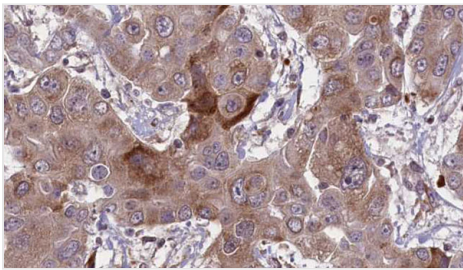
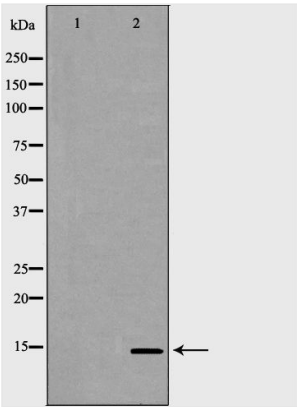
PRODUCT SYNONYMS

GYPC; Polyclonal Antibody; GYPC Antibody; CD236; CD236R; GE; GLPC; GLPC_HUMAN; Glycoconnectin; Glycophorin C (Gerbich blood group); Glycophorin D; Glycophorin-C; Glycophorin-D; Glycoprotein beta; GPC; GPD; Gypc; GYPD; MGC117309; MGC126191; MGC126192; PAS 2; PAS 2'; PAS-2"; Sialoglycoprotein D; anti-GYPC antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	GYPC antibody detects endogenous levels of total GYPC
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	107
Applicable Applications for anti-GYPC antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human GYPC
Subcellular Location	Cell Membrane. Linked to the membrane via band 4.1.
Tissue Specificity	Glycophorin-C is expressed in erythrocytes. Glycophorin-D and IsoGPC are ubiquitously expressed.
Predicted Cross Reactivity	Pig, Zebrafish, Bovine, Rabbit, Dog, Chicken, Xenopus
Similarity	Pig (100%), Zebrafish (92%), Bovine (92%), Rabbit (100%), Dog (100%), Chicken (100%), Xenopus (92%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
AAA326139 at 1/100 staining Human liver cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

WB (Western Blot)
Western blot analysis of K562 whole cell lysates, using GYPC Antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-GYPC antibody

Description: Glycophorin C (GYPC) is an integral membrane glycoprotein. It is a minor species carried by human erythrocytes, but plays an important role in regulating the mechanical stability of red cells. A number of glycophorin C mutations have been described. The Gerbich and Yus phenotypes are due to deletion of exon 3 and 2, respectively. The Webb and Duch antigens, also known as glycophorin D, result from single point mutations of the glycophorin C gene. The glycophorin C protein has very little homology with glycophorins A and B. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Feb 2012]

Function: This protein is a minor sialoglycoprotein in human erythrocyte membranes. The blood group Gerbich antigens and receptors for Plasmodium falciparum merozoites are most likely located within the extracellular domain. Glycophorin-C plays an important role in regulating the stability of red cells.

Post-translational Modifications: O-glycosylated with core 1 or possibly core 8 glycans.

Similarity: Belongs to the glycophorin-C family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	375268693
NCBI GeneID	2995
NCBI Accession #	NP_001243513.1
NCBI GenBank Nucleotide #	NM_001256584.1
UniProt Accession #	P04921; Q53SV9; Q92642; B2R522
Molecular Weight	Observed: 14 kDa Predicted: 14 kDa
NCBI Official Full Name	glycophorin-C isoform 3
NCBI Official Synonym Full Names	glycophorin C (Gerbich blood group)
NCBI Official Symbol	GYPC
NCBI Official Synonym Symbols	GE; GPC; GPD; GYPD; CD236; PAS-2; CD236R; PAS-2'; GE:GPC:GPD:GYPD
NCBI Protein Information	glycophorin-C
UniProt Protein Name	Glycophorin-C
UniProt Gene Name	GYPC
UniProt Synonym Gene Names	GLPC; GPC; GPD

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/polyclonal/gypc-antibody-immunohistochemistry-western-blot-elisa/326139>