Rabbit anti-Human GYPA Polyclonal Antibody | anti-GYPA antibody

GYPA Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA322758	**Rabbit**	**Human**	**ELISA, Immunohistochemistry, Western Blot**

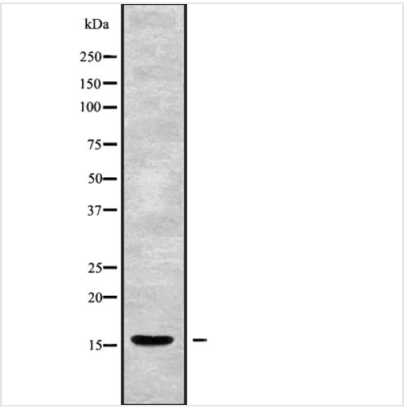
PRODUCT SYNONYMS

GYPA; Polyclonal Antibody; GYPA Antibody; AI853584; Blood group--MN locus; CD_antigen=CD235a; CD235a; GLPA_HUMAN; Glycophorin A (MNS blood group); Glycophorin A; included; Glycophorin-A; GlycophorinA; GPA; GPErik; GpMiIII; GPSAT; HGpMiIII; HGpMiV; HGpMiX; HGpMiXI; HGpSta(C); MN; MN sialoglycoprotein; MNS; PAS-2; PAS2; Sialoglycoprotein alpha; anti-GYPA antibody

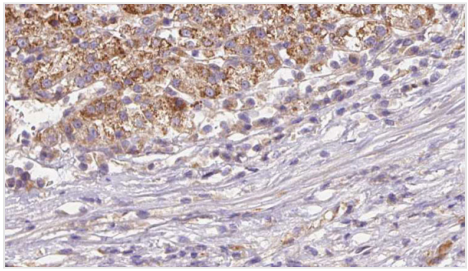
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	GYPA antibody detects endogenous levels of total GYPA
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	117
Applicable Applications for anti-GYPA antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human GYPA
Subcellular Location	Cell Membrane. Appears to be colocalized with SLC4A1.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)
Western blot analysis GYPA using 293 whole cell lysates



IHC (Immunohistochemistry)
AAA322758 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.

ADDITIONAL INFORMATION

Related Product Information for anti-GYPA antibody	Function: Glycophorin A is the major intrinsic membrane protein of the erythrocyte. The N-terminal glycosylated segment, which lies outside the erythrocyte membrane, has MN blood group receptors. Appears to be important for the function of SLC4A1 and is required for high activity of SLC4A1. May be involved in translocation of SLC4A1 to the plasma membrane. Is a receptor for influenza virus. Is a receptor for Plasmodium falciparum erythrocyte-binding antigen 175 (EBA-175); binding of EBA-175 is dependent on sialic acid residues of the O-linked glycans. Appears to be a receptor for Hepatitis A virus (HAV). Subunit Structure: Homodimer. Interacts with Streptococcus gordonii hsa protein. Post-translational Modifications: The major O-linked glycan are NeuAc-alpha-2-3-Gal-beta-1-3-[NeuAc-alpha-2-6]-GalNAcOH (about 78 %) and NeuAc-alpha-2-3-Gal-beta-1-3-GalNAcOH (17 %). Minor O-glycans (5 %) include NeuAc-alpha-2-3-Gal-beta-1-3-[NeuAc-alpha-2-6]-GalNAcOH NeuAc-alpha-2-8-NeuAc-alpha-2-3-Gal-beta-1-3-GalNAcOH. About 1% of all O-linked glycans carry blood group A, B and H determinants. They derive from a type-2 precursor core structure, Gal-beta-(1, 3)-GlcNAc-beta-1-R, and the antigens are synthesized by addition of fucose (H antigen-specific) and then N-acetylgalactosamine (A antigen-specific) or galactose (B antigen-specific). Specifically O-linked-glycans are NeuAc-alpha-2-3-Gal-beta-1-3-GalNAcOH-6-1-GlcNAc-beta-4-1-[Fuc-alpha-1-2]-Gal-beta-3-1-GalNAc-alpha (about 1%, B antigen-specific) and NeuAc-alpha-2-3-Gal-beta-1-3-GalNAcOH-6-1-GlcNAc-beta-4-1-[Fuc-alpha-1-2]-Gal-beta (1 %, O antigen-, A antigen-and B antigen-specific). Similarity: Belongs to the glycophorin A family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	815891063
NCBI GeneID	2993
NCBI Accession #	NP_001295119.1
NCBI GenBank Nucleotide #	NM_001308190.1
UniProt Accession #	P02724; Q9BS51; A8K3E6; B8Q182; B8Q185
Molecular Weight	Observed: 16 kDa Predicted: 17 kDa
NCBI Official Full Name	glycophorin-A isoform 3
NCBI Official Synonym Full Names	glycophorin A (MNS blood group)
NCBI Official Symbol	GYPA
NCBI Official Synonym Symbols	MN; GPA; MNS; GPSAT; PAS-2; CD235a; GPErik; HGpMiV; HGpMiXI; HGpSta(C)
NCBI Protein Information	glycophorin-A
UniProt Protein Name	Glycophorin-A

UniProt Gene Name	**GYPA**
UniProt Synonym Gene Names	GPA

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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