

For Research Use Only

# GYPC Recombinant antibody, PBS Only

Catalog Number: 86574-1-PBS



## Basic Information

<b>Catalog Number:</b> 86574-1-PBS	<b>GenBank Accession Number:</b> BC104246	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug, Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 2995	<b>CloneNo.:</b> 251100D5
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P04921	
<b>Isotype:</b> IgG	<b>Full Name:</b> glycophorin C (Gerbich blood group)	
<b>Immunogen Catalog Number:</b> EG4905	<b>Calculated MW:</b> 14 kDa	
	<b>Observed MW:</b> 35-40 kDa	

## Applications

**Tested Applications:**  
WB, Indirect ELISA

**Species Specificity:**  
human, mouse, rat

## Background Information

Glycophorin-C, encoded by the GYPC gene, is a minor sialoglycoprotein in human erythrocyte membranes. Glycophorin-C interacts with protein 4.1R (EPB41) and plays an important role in regulating the mechanical stability of red cells. Glycophorin C acts as the receptor for the Plasmodium falciparum erythrocyte binding ligand PfEBP-2 (baebl). Glycophorin-D, also encoded by the GYPC gene, is now known as a variant of Glycophorin-C. This antibody is raised against the full-length protein of human Glycophorin-C. The apparent molecular weight of Glycophorin-C is larger than the calculated molecular weight due to glycosylation.

## Storage

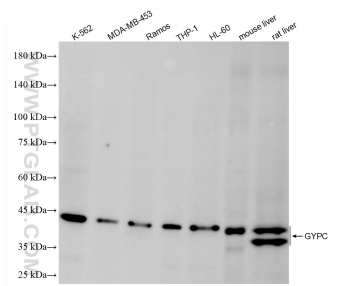
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS only, pH7.3

For technical support and original validation data for this product please contact:  
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86574-1-RR (GYPC antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 86574-1-PBS in a different storage buffer formulation.