

# GYPC Recombinant antibody

Catalog Number: 86574-1-RR

## Basic Information

**Catalog Number:**

86574-1-RR

**Concentration:**

1000 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

EG4905

**GenBank Accession Number:**

BC104246

**GeneID (NCBI):**

2995

**UNIPROT ID:**

P04921

**Full Name:**

glycophorin C (Gerbich blood group)

**Calculated MW:**

14 kDa

**Observed MW:**

35-40 kDa

**Purification Method:**

Protein A purification

**CloneNo.:**

251100D5

**Recommended Dilutions:**

WB: 1:500-1:2000

## Applications

**Tested Applications:**

WB, ELISA

**Species Specificity:**

human, mouse, rat

**Positive Controls:**

WB : K-562 cells, MDA-MB-453 cells, Ramos cells, THP-1 cells, HL-60 cells, mouse liver tissue, rat liver tissue

## 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:**

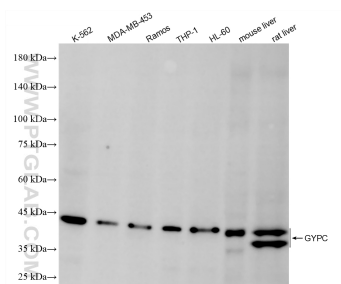
Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

## 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.