

For Research Use Only

# Glycophorin A Polyclonal antibody

Catalog Number: 15874-1-AP



## Basic Information

<b>Catalog Number:</b> 15874-1-AP	<b>GenBank Accession Number:</b> BC005319	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 650 µg/ml	<b>GeneID (NCBI):</b> 2993	<b>Recommended Dilutions:</b> WB 1:500-1:1000 IHC 1:50-1:500 IF 1:300-1:1200
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P02724	
<b>Isotype:</b> IgG	<b>Full Name:</b> glycophorin A (MNS blood group)	
<b>Immunogen Catalog Number:</b> AG8635	<b>Calculated MW:</b> 150 aa, 16 kDa	
	<b>Observed MW:</b> 36-38 kDa	

## Applications

**Tested Applications:**  
FC, IF-P, IHC, WB, ELISA

**Species Specificity:**  
human

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

**Positive Controls:**

**WB :** K-562 cells,

**IHC :** human spleen tissue, human lung tissue, human colon cancer tissue

**IF :** human placenta tissue,

## Background Information

Glycophorin A (GYPA) is the major transmembrane sialoglycoprotein in erythrocytes. It is a dimeric type I transmembrane protein carrying 15 closely clustered O-linked tetrasaccharides capped with sialic acid/N-acetylneuraminic acid (Neu5Ac). This 36 kDa protein represents the major sialoglycoprotein of the red blood cell membrane displaying about one million copies per cell. (PMID: 9490702)

## Storage

**Storage:**

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

**Storage Buffer:**

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

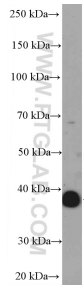
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

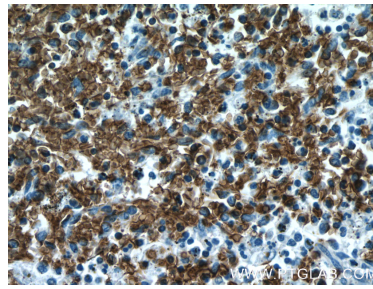
W: [ptgcn.com](http://ptgcn.com)

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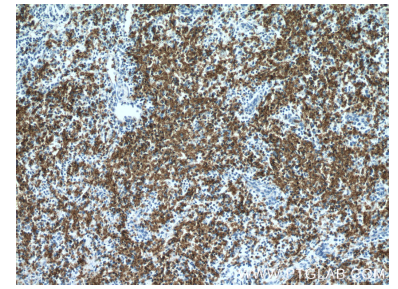
## Selected Validation Data



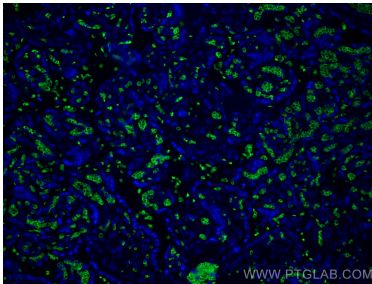
K-562 cells were subjected to SDS PAGE followed by western blot with 15874-1-AP (Glycophorin A antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



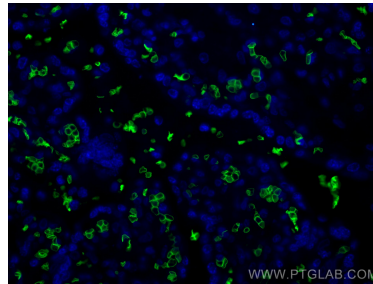
Immunohistochemical analysis of paraffin-embedded human spleen tissue slide using 15874-1-AP (Glycophorin A antibody) at dilution of 1:200 (under 40x lens).



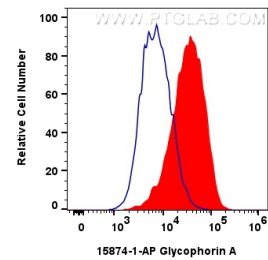
Immunohistochemical analysis of paraffin-embedded human spleen tissue slide using 15874-1-AP (Glycophorin A antibody) at dilution of 1:200 (under 10x lens).



Immunofluorescent analysis of (4% PFA) fixed human placenta tissue using Glycophorin A antibody (15874-1-AP) at dilution of 1:600 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed human placenta tissue using Glycophorin A antibody (15874-1-AP) at dilution of 1:600 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



$1 \times 10^6$  K-562 cells were intracellularly stained with 0.4 ug Anti-Human Glycophorin A (15874-1-AP)(red), or 0.4 ug Rabbit IgG control Rabbit PolyAb (30000-0-AP). Cells were not fixed.