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# GYPB Rabbit pAb

Catalog # AP99603

## Product Information

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| **Application** | IHC-P, IHC-F, IF, E |
| **Primary Accession** | P06028 |
| **Other Accession** | P06028 |
| **Predicted** | Human |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Calculated MW** | 9782 |
| **Physical State** | Liquid |
| **Immunogen** | KLH conjugated synthetic peptide derived from human Glycophorin B |
| **Epitope Specificity** | 21-120/91 |
| **Isotype** | IgG |
| **Purity** | affinity purified by Protein A |
| **Buffer** | 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. |
| **SIMILARITY** | Belongs to the glycophorin-A family. |
| **Post-translational modifications** | The N-terminal extracellular domain is heavily glycosylated on serine and threonine residues. |
| **Important Note** | This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications. |
| **Background Descriptions** | Glycophorins A, B and C are sialoglycoproteins of the human erythrocyte membrane, which bear the antigenic determinants for the MN, Ss and Gerbich blood groups, respectively. Glycophorins span the membrane once and present their amino-terminal end to the extracellular surface of the human erythrocyte. The genetic array of expressed glycophorin surface antigens on erythrocytes defines the blood group phenotype of the individual. The human Glycophorin A gene maps to chromosome 4q31.21, contains seven exons which are 97% homologous to Glycophorin B, and encodes a 150 amino acid protein. The human Glycophorin B gene maps to chromosome 4q31.21 and encodes a 91 amino acid protein. The human Glycophorin C gene maps to chromosome 2q14.3 and contains four exons. Glycophorin C transcript can generate two protein isoforms. Isoform 1 includes all 4 exons and encodes the full length 128 amino acid protein. Isoform 2 is missing exon 2 and encodes a 109 amino acid protein, which specifies the Yus subtype of the Gerbich phenotype. |

## Additional Information

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| **Gene ID** | 2994 |
| **Other Names** | CD235b; GPB; GYP; GYPA; MNS; PAS-3; SS; GLPB_HUMAN; GYPB; SS-active sialoglycoprotein; Sialoglycoprotein delta; glycophorin B (MNS blood group); glycophorin B (includes Ss blood group); glycophorin B (Ss blood group); Ss sialoglycoprotein |

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| **Dilution** | IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:5000-10000 |
| **Storage** | Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C. |

## Protein Information

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| **Name** | GYPB ( HGNC:4703) |
| **Synonyms** | GPB |
| **Function** | Component of the ankyrin-1 complex, a multiprotein complex involved in the stability and shape of the erythrocyte membrane. |
| **Cellular Location** | Cell membrane; Single-pass type I membrane protein |

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.