



# Anti-GYPB (aa 21-51) polyclonal antibody (CABT-BL1709)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Immunogen</b>	Synthetic peptide conjugated to KLH, corresponding to a region within internal sequence amino acids 21-51 of Human GYPB.
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human
<b>Purification</b>	Immunogen affinity purified
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB
<b>Cellular Localization</b>	Cell membrane.
<b>Format</b>	Liquid
<b>Buffer</b>	99% PBS
<b>Preservative</b>	0.09% Sodium Azide
<b>Storage</b>	Store at 4°C (up to 6 months). For long term storage store at -20°C

## BACKGROUND

<b>Introduction</b>	Glycophorins A (GYPA) and B (GYPB) are major sialoglycoproteins of the human erythrocyte membrane which bear the antigenic determinants for the MN and Ss blood groups. GYPB gene consists of 5 exons and has 97% sequence homology with GYPB from the 5' UTR to the coding
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sequence encoding the first 45 amino acids. In addition to the M or N and S or s antigens, that commonly occur in all populations, about 40 related variant phenotypes have been identified. These variants include all the variants of the Miltenberger complex and several isoforms of Sta; also, Dantu, Sat, He, Mg, and deletion variants Ena, S-s-U- and Mk. Most of the variants are the result of gene recombinations between GYPA and GYPB.

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## GENE INFORMATION

Entrez Gene ID	<a href="#">2994</a>
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Protein Refseq	<a href="#">NP_002091</a>
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UniProt ID	<a href="#">P06028</a>
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