

## Glycophorin A (ABT-GYPA) mouse mAb

<b>Catalog No :</b>	YM4822
<b>Reactivity :</b>	Human;
<b>Applications :</b>	IHC;WB;IF;ELISA
<b>Target :</b>	Glycophorin A
<b>Fields :</b>	>>Hematopoietic cell lineage;>>Malaria
<b>Gene Name :</b>	GYPA GPA
<b>Protein Name :</b>	Glycophorin A[?]CD235a
<b>Human Gene Id :</b>	2993
<b>Human Swiss Prot No :</b>	P02724
<b>Immunogen :</b>	Synthesized peptide derived from human Glycophorin A[?]CD235a AA range: 1-100
<b>Specificity :</b>	The antibody can specifically recognize human Glycophorin A protein.
<b>Formulation :</b>	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
<b>Source :</b>	Mouse, Monoclonal/IgG1, kappa
<b>Dilution :</b>	IHC 1:200-1000. WB 1:500-2000. IF 1:100-500. ELISA 1:1000-5000
<b>Purification :</b>	Protein G
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)
<b>Molecularweight :</b>	16kD
<b>Observed Band :</b>	37kD

**Background :** Glycophorin A, also known as CD235a, is a sialic acid glycoprotein located on the surface of human erythrocytes. It is a erythroid specific antigen. Its expression is accompanied by the whole process of erythropoiesis. Maintaining high expression on erythrocytes indicates that the erythrocytes are mature. Oncogenic nucleated erythrocytes in most erythroid derived leukemia express this protein, while acute myeloid leukemia and acute lymphoma leukemia almost do not express, which is a useful marker to identify erythroid differentiation in hematopoietic malignancies.

**Function :** function:Glycophorin A is the major intrinsic membrane protein of the erythrocyte. The N-terminal glycosylated segment, which lies outside the erythrocyte membrane, has MN blood group receptors and also binds influenza virus.,online information:Blood group antigen gene mutation database,polymorphism:Along with GYPB, GYPA is responsible for the MNS blood group system.,similarity:Belongs to the glycophorin A family.,

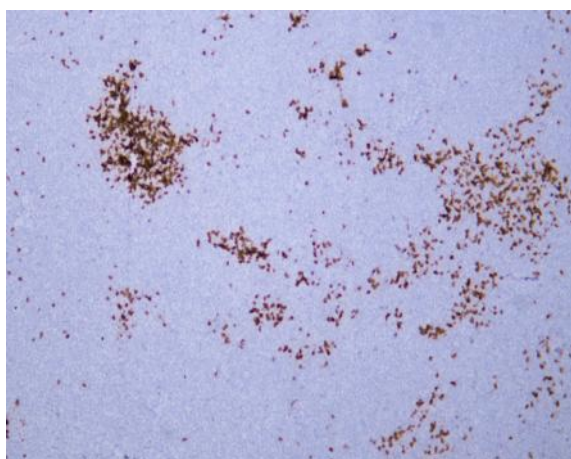
**Subcellular Location :** Membranous

**Expression :** Blood,Bone marrow,Kidney,Liver,Lung,Miltenberger class V,

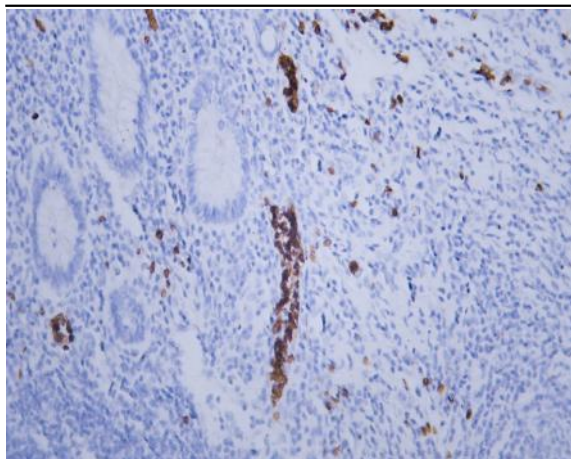
**Sort :** 6655

**No4 :** 1

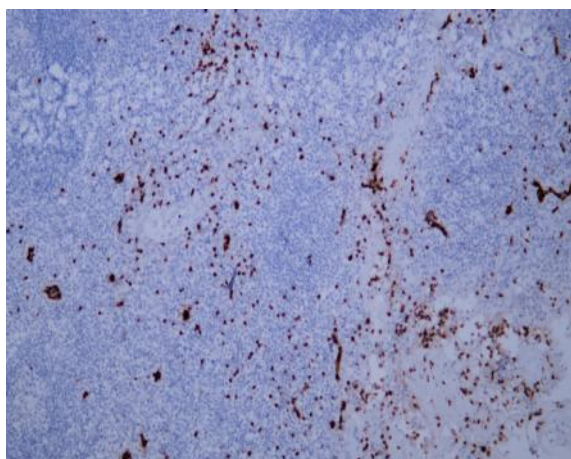
## Products Images



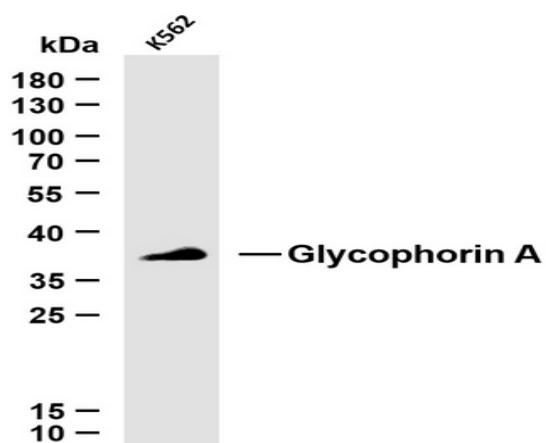
Human acute myeloid leukemia tissue was stained with Anti-Glycophorin A (ABT-GYPA) Antibody



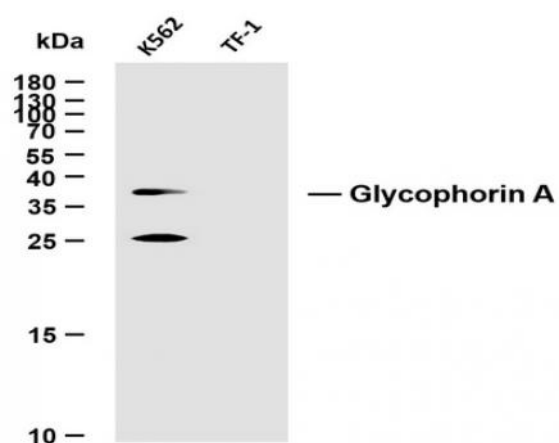
Human appendix tissue was stained with Anti-Glycophorin A (ABT-GYPA) Antibody



Human tonsil tissue was stained with Anti-Glycophorin A (ABT-GYPA) Antibody



Whole cell lysates were separated by 10% SDS-PAGE, and the membrane was blotted with anti-Glycophorin A (ABT-GYPA) antibody. The HRP-conjugated Goat anti-Mouse IgG(H + L) antibody was used to detect the antibody. Lane 1: K562



Various whole cell lysates were separated by 15% SDS-PAGE, and the membrane was blotted with anti-Glycophorin A (ABT-GYPA) antibody. The HRP-conjugated Goat anti-Mouse IgG(H + L) antibody was used to detect the antibody. Lane 1: K562 Lane 2: TF-1