abcam

Product datasheet

Anti-Glycophorin A antibody [EPR8200] ab129024

リコンビナント RabMAb

★★★★★ 1 Abreviews 11 References 画像数 14

製品の概要

製品名 Anti-Glycophorin A antibody [EPR8200]

製品の詳細 Rabbit monoclonal [EPR8200] to Glycophorin A

由来種 Rabbit

アプリケーション **適用あり:** Flow Cyt (Intra), WB, IHC-P

種交差性 **交差種:** Human

免疫原 Synthetic peptide within Human Glycophorin A aa 100 to the C-terminus. The exact sequence is proprietary.
Database link: **P02724**

ポジティブ・コントロール Fetal liver lysate, Human lung tissue, Human spleen tissue.

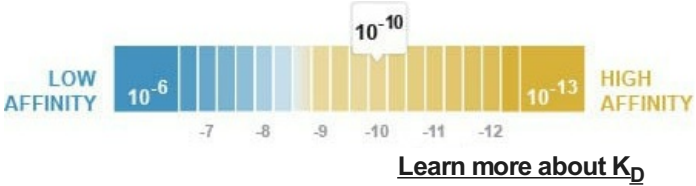
特記事項 This product is a recombinant monoclonal antibody, which offers several advantages including:
- High batch-to-batch consistency and reproducibility
- Improved sensitivity and specificity
- Long-term security of supply
- Animal-free production
For more information **see here**.
Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to **RabMAb® patents**.

製品の特性

製品の状態 Liquid

保存方法 Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.

解離定数（K_D 値） $K_D = 2.38 \times 10^{-10}$ M



Learn more about K_D

バッファー pH: 7.20
Preservative: 0.01% Sodium azide

	Constituents: 59% PBS, 0.05% BSA, 40% Glycerol
精製度	Protein A purified
ポリ/モノ	モノクローナル
クローン名	EPR8200
アイソタイプ	IgG

アプリケーション

The Abpromise guarantee **Abpromise保証は、次のテスト済みアプリケーションにおけるab129024の使用に適用されます**

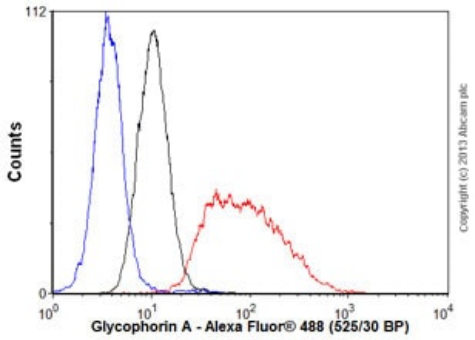
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
Flow Cyt (Intra)		1/90. **ab172730** - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
WB		1/1000. Detects a band of approximately 38 kDa (predicted molecular weight: 16 kDa).
IHC-P	★★★★★ (1)	1/2500 - 1/5000. Perform heat mediated antigen retrieval before commencing with IHC staining protocol. See **IHC antigen retrieval protocols**. **For unpurified use at 1/100 - 1/250.**

ターゲット情報

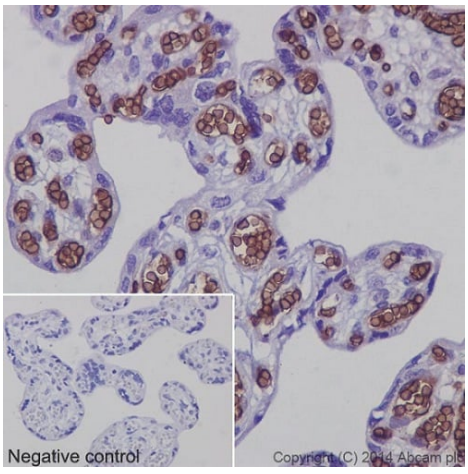
機能	Glycophorin A is the major intrinsic membrane protein of the erythrocyte. The N-terminal glycosylated segment, which lies outside the erythrocyte membrane, has MN blood group receptors. Appears to be important for the function of SLC4A1 and is required for high activity of SLC4A1. May be involved in translocation of SLC4A1 to the plasma membrane. Is a receptor for influenza virus. Is a receptor for Plasmodium falciparum erythrocyte-binding antigen 175 (EBA-175); binding of EBA-175 is dependent on sialic acid residues of the O-linked glycans. Appears to be a receptor for Hepatitis A virus (HAV).
配列類似性	Belongs to the glycophorin A family.
翻訳後修飾	The major O-linked glycan are NeuAc-alpha-(2-3)-Gal-beta-(1-3)-[NeuAc-alpha-(2-6)]-GalNacOH (about 78 %) and NeuAc-alpha-(2-3)-Gal-beta-(1-3)-GalNAcOH (17 %). Minor O-glycans (5 %) include NeuAc-alpha-(2-3)-Gal-beta-(1-3)-[NeuAc-alpha-(2-6)]-GalNAcOH NeuAc-alpha-(2-8)-NeuAc-alpha-(2-3)-Gal-beta-(1-3)-GalNAcOH. About 1% of all O-linked glycans carry blood group A, B and H determinants. They derive from a type-2 precursor core structure, Gal-beta-(1,3)-GlcNAc-beta-1-R, and the antigens are synthesized by addition of fucose (H antigen-specific) and then N-acetylgalactosamine (A antigen-specific) or galactose (B antigen-specific). Specifically O-linked-glycans are NeuAc-alpha-(2-3)-Gal-beta-(1-3)-GalNAcOH-(6-1)-GlcNAc-beta-(4-1)-[Fuc-alpha-(1-2)]-Gal-beta-(3-1)-GalNAc-alpha (about 1%, B antigen-specific) and NeuAc-alpha-(2-3)-Gal-beta-(1-3)-GalNAcOH-(6-1)-GlcNAc-beta-(4-1)-[Fuc-alpha-(1-2)]-Gal-beta (1 %, O antigen-, A antigen- and B antigen-specific).
細胞内局在	Cell membrane. Appears to be colocalized with SLC4A1.

画像



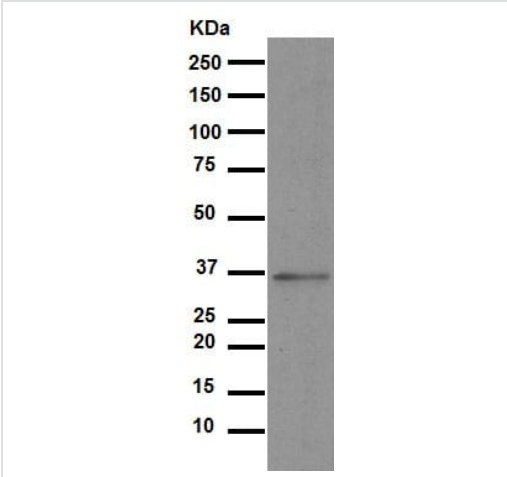
Flow Cytometry (Intracellular) - Anti-Glycophorin A antibody [EPR8200] (ab129024)

Overlay histogram showing K562 cells stained with unpurified ab129024 (red line). The cells were fixed with 80% methanol (5 min) and then permeabilized with 0.1% PBS-Tween for 20 min. The cells were then incubated in 1x PBS / 10% normal goat serum / 0.3M glycine to block non-specific protein-protein interactions followed by the antibody (ab129024, 1/100 dilution) for 30 min at 22°C. The secondary antibody used was Alexa Fluor® 488 goat anti-rabbit IgG (H&L) (**ab150077**) at 1/2000 dilution for 30 min at 22°C. Isotype control antibody (black line) was rabbit IgG (monoclonal) (1µg/1x10^6 cells) used under the same conditions. Unlabelled sample (blue line) was also used as a control. Acquisition of >5,000 events were collected using a 20mW Argon ion laser (488nm) and 525/30 bandpass filter.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Glycophorin A antibody [EPR8200] (ab129024)

ab129024 staining Glycophorin A in Human placenta tissue sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed and paraffin-embedded, antigen retrieval was by heat mediation in Tris/EDTA buffer pH9. Samples were incubated with primary antibody (1/2500). **ab97051**(1/500) HRP-conjugated goat anti-rabbit IgG(H&L) was used as the secondary antibody. Tissue counterstained with Hematoxylin. PBS was used in the negative control rather than the Primary antibody.



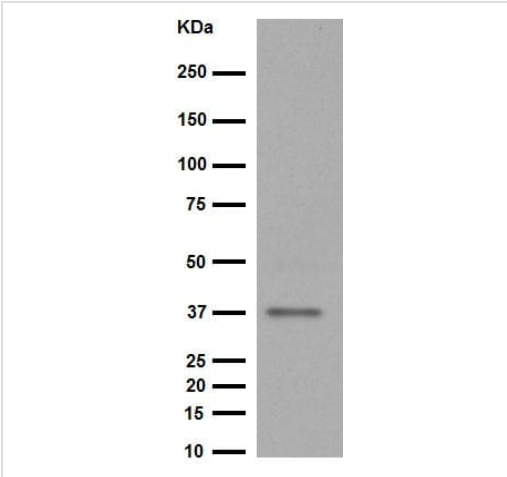
Western blot - Anti-Glycophorin A antibody [EPR8200] (ab129024)

Anti-Glycophorin A antibody [EPR8200] (ab129024) at 1/1000 dilution + Human fetal kidney at 10 µg

Secondary

Goat Anti-Rabbit IgG, (H+L), HRP- conjugated at 1/1000 dilution

Predicted band size: 16 kDa



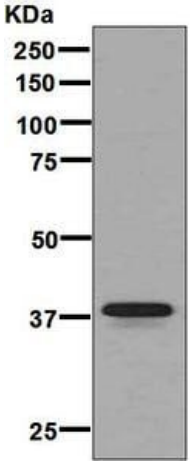
Western blot - Anti-Glycophorin A antibody [EPR8200] (ab129024)

Anti-Glycophorin A antibody [EPR8200] (ab129024) at 1/2000 dilution + Human fetal liver lysate at 20 µg

Secondary

Goat Anti-Rabbit IgG, (H+L), HRP- conjugated at 1/1000 dilution

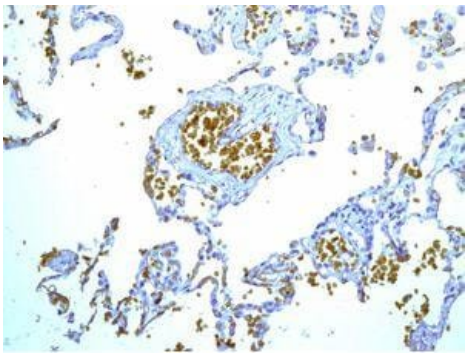
Predicted band size: 16 kDa



Western blot - Anti-Glycophorin A antibody [EPR8200] (ab129024)

Anti-Glycophorin A antibody [EPR8200] (ab129024) at 1/1000 dilution (unpurified) + Fetal liver lysate at 10 µg

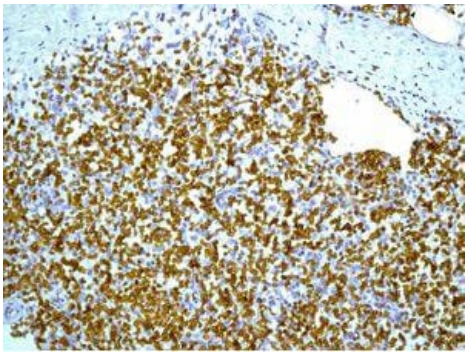
Predicted band size: 16 kDa
Observed band size: 38 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Glycophorin A antibody [EPR8200] (ab129024)

ab129024, at 1/100 dilution staining Glycophorin A in formalin fixed paraffin embedded Human lung tissue by immunohistochemistry.

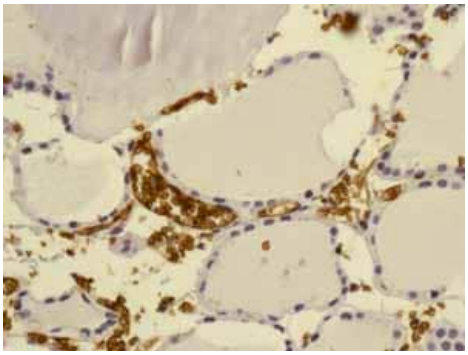
Perform heat mediated antigen retrieval before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Glycophorin A antibody [EPR8200] (ab129024)

ab129024, unpurified, at 1/100 dilution staining Glycophorin A in formalin fixed paraffin embedded Human spleen tissue by immunohistochemistry.

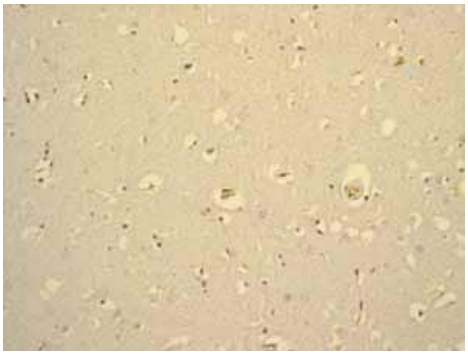
Perform heat mediated antigen retrieval before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Glycophorin A antibody [EPR8200] (ab129024)

ab129024, unpurified, showing positive staining in Thyroid gland erythrocytes tissue.

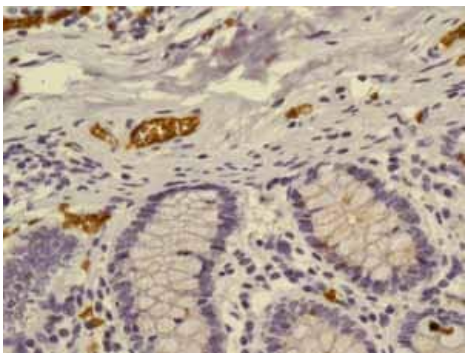
Perform heat mediated antigen retrieval before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Glycophorin A antibody [EPR8200] (ab129024)

ab129024, unpurified, showing negative staining in Normal brain tissue.

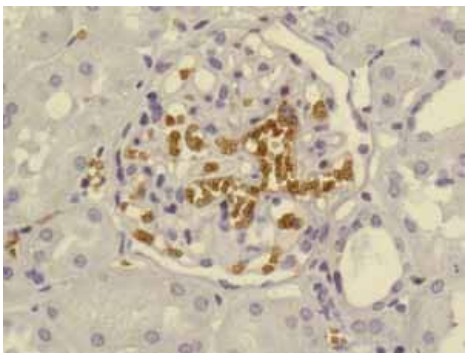
Perform heat mediated antigen retrieval before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Glycophorin A antibody [EPR8200] (ab129024)

ab129024, unpurified, showing positive staining in Normal colon erythrocytes tissue.

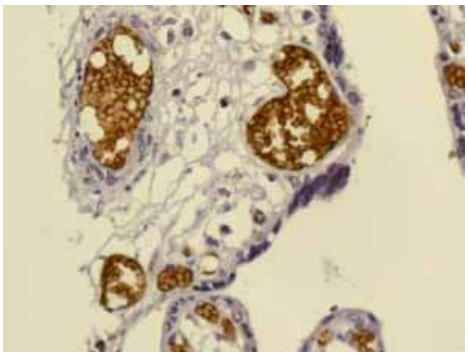
Perform heat mediated antigen retrieval before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Glycophorin A antibody [EPR8200] (ab129024)

ab129024, unpurified, showing positive staining in Normal kidney erythrocytes tissue.

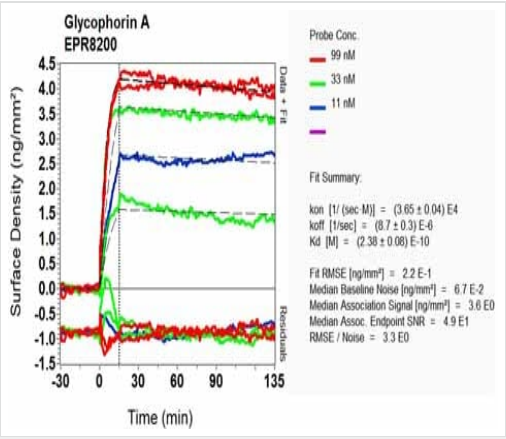
Perform heat mediated antigen retrieval before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Glycophorin A antibody [EPR8200] (ab129024)

ab129024, unpurified, showing positive staining in Normal placenta erythrocytes tissue.

Perform heat mediated antigen retrieval before commencing with IHC staining protocol.

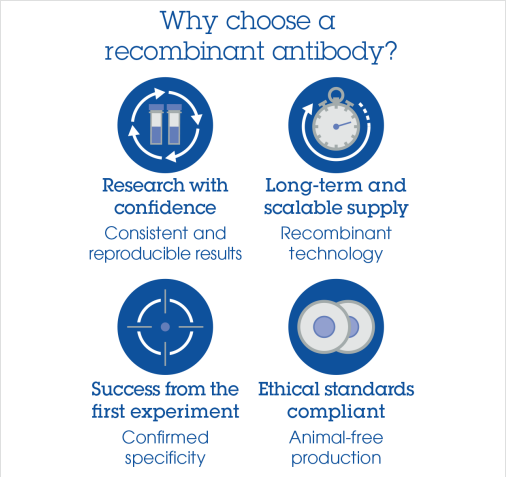


OI-RD Scanning - Anti-Glycophorin A antibody [EPR8200] (ab129024)

Equilibrium disassociation constant (K_D)

Learn more about K_D

Click here to learn more about K_D



Anti-Glycophorin A antibody [EPR8200] (ab129024)

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