

GYPA / CD235a / Glycophorin A Antibody (clone HIR2 (also GA-R2))
Mouse Monoclonal Antibody
Catalog # ALS15209**Specification**

GYPA / CD235a / Glycophorin A Antibody (clone HIR2 (also GA-R2)) - Product Information

Application	IHC
Primary Accession	P02724
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Calculated MW	16kDa KDa

GYPA / CD235a / Glycophorin A Antibody (clone HIR2 (also GA-R2)) - Additional Information**Gene ID** 2993**Other Names**

Glycophorin-A, MN sialoglycoprotein, PAS-2, Sialoglycoprotein alpha, CD235a, GYPA, GPA

Reconstitution & Storage

Store at 4°C, avoid repeated freeze thaw cycles.

Precautions

GYPA / CD235a / Glycophorin A Antibody (clone HIR2 (also GA-R2)) is for research use only and not for use in diagnostic or therapeutic procedures.

GYPA / CD235a / Glycophorin A Antibody (clone HIR2 (also GA-R2)) - Protein Information**Name** GYPA ([HGNC:4702](#))**Synonyms** GPA**Function**

Component of the ankyrin-1 complex, a multiprotein complex involved in the stability and shape of the erythrocyte membrane (PubMed: 35835865). 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.

Cellular Location

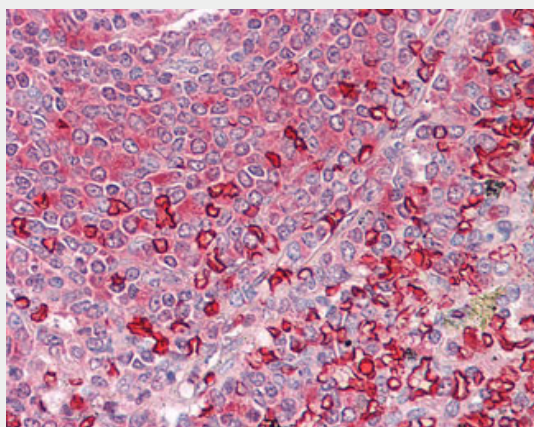
Cell membrane; Single-pass type I membrane protein Note=Appears to be colocalized with SLC4A1

GYPA / CD235a / Glycophorin A Antibody (clone HIR2 (also GA-R2)) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

GYPA / CD235a / Glycophorin A Antibody (clone HIR2 (also GA-R2)) - Images



Anti-CD235a / Glycophorin A antibody IHC of human spleen.

GYPA / CD235a / Glycophorin A Antibody (clone HIR2 (also GA-R2)) - Background

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).

GYPA / CD235a / Glycophorin A Antibody (clone HIR2 (also GA-R2)) - References

- Siebert P.D., et al. Proc. Natl. Acad. Sci. U.S.A. 83:1665-1669(1986).
Tate C.G., et al. Biochem. J. 254:743-750(1988).
Kudo S., et al. Proc. Natl. Acad. Sci. U.S.A. 86:4619-4623(1989).
Jawad K., et al. Nucleic Acids Res. 18:5829-5836(1990).
Kudo S., et al. J. Biochem. 116:183-192(1994).