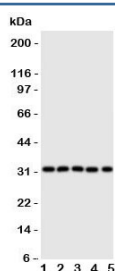


Aquaporin 9 Antibody (R31206)

Catalog No.	Formulation	Size
R31206	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Mouse
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
UniProt	Q9JJJ3
Applications	Western Blot : 0.5-1ug/ml
Limitations	This Aquaporin 9 antibody is available for research use only.



Western blot testing of Aquaporin 9 antibody and Lane 1: mouse liver; 2: (m) lung; 3: (m) spleen; 4: (m) testis; 5: rat PC-12 lysate. Predicted molecular weight ~32 kDa.

Description

Aquaporin-9 is a protein that in humans is encoded by the AQP9 gene. The gene encodes a 295-amino-acid protein with the amino acid sequence identity with AQP3(48%), AQP7(45%), and other aquaporins (approximately 30%), suggesting that AQP3, AQP7, and AQP9 belong to a subfamily of the aquaporin family. AQP9 is the major glycerol channel in mouse erythrocytes and suggest that this transport pathway may contribute to the virulence of intraerythrocytic stages of malarial infection.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the Aquaporin 9 antibody may be

required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

An amino acid sequence from the C-terminus of mouse Aquaporin 9 (VLFIQMHHSPDPEVK) was used as the immunogen for this Aquaporin 9 antibody.

Storage

After reconstitution, the Aquaporin 9 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.