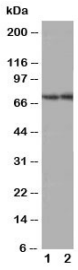
ABCG4 Antibody (R31178)

Catalog No.	Formulation	Size
R31178	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
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	Q9H172
Applications	Western blot: 0.5-1ug/ml
Limitations	This ABCG4 antibody is available for research use only.



Western blot testing of ABCG4 antibody; Lane 1: rat brain; 2: mouse brain tissue lysate. Predicted molecular weight 60-80 kDa

Description

ATP-Binding Cassette, Subfamily G, Member 4 is a protein that in humans is encoded by the ABCG4 gene. The protein encoded by this gene is included in the superfamily of ATP-binding cassette (ABC) transporters. This protein is a member of the White subfamily and is expressed predominantly in liver tissue. By genomic sequence analysis, Engel et al.(2001) mapped the gene to chromosome 11q23.3. Engel et al.(2001) demonstrated 5-fold induction of ABCG4 following treatment of normal monocyte-derived macrophages with the LXR and RXR agonists 9-cis retinoic acid and 22R hydroxycholesterol. Removal of cholesterol from macrophages by cyclodextrin decreased ABCG4 message levels.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the ABCG4 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

An amino acid sequence from the middle region of human ABCG4 (AVQNGLCAMAEKKSS) was used as the immunogen for this ABCG4 antibody.

Storage

After reconstitution, the ABCG4 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

Copyright © NSJ Bioreagents. All rights reserved.