

For Research Use Only

# ABCG8 Polyclonal antibody

Catalog Number: 24453-1-AP

2 Publications



## Basic Information

Catalog Number:

24453-1-AP

Size:

150ul, Concentration: 500 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG19879

GenBank Accession Number:

BC113657

GeneID (NCBI):

64241

UNIPROT ID:

Q9H221

Full Name:

ATP-binding cassette, sub-family G (WHITE), member 8

Calculated MW:

673 aa, 76 kDa

Observed MW:

70 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

## Applications

Tested Applications:

WB, ELISA

Cited Applications:

WB

Species Specificity:

human, rat

Cited Species:

mouse, rat

Positive Controls:

WB : HL-60 cells, PC-12 cells, k-562 cells

## Background Information

ABCG8(ATP-binding cassette sub-family G member 8) and ABCG5(ATP-binding cassette protein G5) are members of the ABC transporter family and are half-type ABC transporters, which consist of six transmembrane helices and one nucleotide-binding domain. ABCG5 and ABCG8 form a heterodimer (ABCG5/ABCG8). Mutations in either ABCG5 or ABCG8 cause a genetic disorder, sitosterolemia. Patients with sitosterolemia show high plant sterol levels and develop hypercholesterolemia and atherosclerosis at a young age.(PMID: 36839356)

## Notable Publications

Author	Pubmed ID	Journal	Application
Mengqiu Wei	39749187	Drug Des Devel Ther	WB
Junyi Zhang	39052058	Naunyn Schmiedebergs Arch Pharmacol	WB

## Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

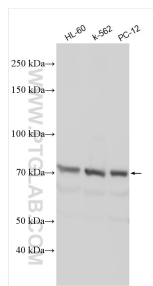
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 24453-1-AP (ABCG8 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.