For Research Use Only

ABCG8 Polyclonal antibody

Catalog Number:24453-1-AP 1 Publications

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Basic Information

Catalog Number:
24453-1-AP

Size:
500 μg/ml

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:
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

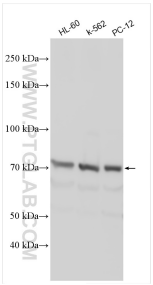
Author	Pubmed ID	Journal	Application
Junyi Zhang	39052058	Naunyn Schmiedebergs Arch Pharmacol	WB

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

For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

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.