

MaxPab®

ABCG8 purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00064241-B01P

Size 500 ug

Specification

Product Description	Mouse polyclonal antibody raised against a full-length human ABCG8 protein.
Immunogen	ABCG8 (ADR83246.1, 1 a.a. ~ 673 a.a) full-length human protein.
Sequence	MAGKAAEERGLPKGATPQHTSGLQDRLFSSSESDNSLYFTYSGQPNTLEVRLDNYQVDLASQVP WFEQLAQFKMPWTSPSCQNSCELGIQNLSFKVRSGQMLAIIGSSGCGRASLLDVITGRGHGGKIK SGQWINGQPSSPQLVRKCVAHVRQHNQLLPNLTVRETLAFIAQMRLPRTFSQAQRDKRVEDVIA ELRLRQCADTRVGNMYVRGLSGGERRRVSIGVQLLWNPGLILDEPTSGLDSFTAHLVKTL SRLA KGNRLVLISLHQPRSDIFRLFDLVLLMTSGTPYLGAAQHMVQYFTAIGYPCPRYSNPADFYVDLTSI DRRSREQELATREKAQSLAALFLEKVRDLDDFLWKAETKDLEDTCVESSVTPLDNCPLPSPK MPGAVQQFTTLIRRQISNDFRDLPTLLIHGAEACLSMTIGFLYFGHGSIQLSFMDTAALLFMIGALIP FNVILDVISKCYSERAMLYELEDGLYTTGPYFFAKILGELPEHCAYIIYGMPYWLANLRPGLQPFL HFLLVWL VVFCRIMALAAAALLPTFHMASFFSNALYNSFYLAGGFMINLSSLWTVPAWISKVSFL RWCFEGLMKIQFSRRTYKMPLGNLTIAVSGDKILSAMELDSYPLYAIVIGLSGGFMVLYVSLRFI KQKPSQDW
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (81); Rat (79)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

Gene Info — ABCG8

Entrez GeneID [64241](#)

GeneBank Accession# [HQ258492.1](#)

Protein Accession# [ADR83246.1](#)

Gene Name ABCG8

Gene Alias GBD4, MGC142217, STSL

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

Omim ID [210250 605460](#)

Gene Ontology [Hyperlink](#)

Gene Summary

The protein encoded by this gene is a member of the superfamily of ATP-binding cassette (ABC) transporters. ABC proteins transport various molecules across extra- and intra-cellular membranes. ABC genes are divided into seven distinct subfamilies (ABC1, MDR/TAP, MRP, ALD, OABP, GCN20, White). This protein is a member of the White subfamily. The protein encoded by this gene functions to exclude non-cholesterol sterol entry at the intestinal level, promote excretion of cholesterol and sterols into bile, and to facilitate transport of sterols back into the intestinal lumen. It is expressed in a tissue-specific manner in the liver, intestine, and gallbladder. This gene is tandemly arrayed on chromosome 2, in a head-to-head orientation with family member ABCG5. Mutations in this gene may contribute to sterol accumulation and atherosclerosis, and have been observed in patients with sitosterolemia. [provided by RefSeq]

Other Designations ATP-binding cassette sub-family G member 8|ATP-binding cassette, subfamily G, member 8|sterolin 2

Pathway

- [ABC transporters](#)

Disease

- [Atherosclerosis](#)
- [Biliary Tract Neoplasms](#)
- [Cardiovascular Diseases](#)
- [Cholelithiasis](#)

- [Coronary Artery Disease](#)
- [Coronary Disease](#)
- [Diseases in Twins](#)
- [Dyslipidemias](#)
- [Gallbladder Neoplasms](#)
- [Gallstones](#)
- [Genetic Predisposition to Disease](#)
- [Hypercholesterolemia](#)
- [Hyperlipidemias](#)
- [Hyperlipoproteinemia Type II](#)
- [Insulin Resistance](#)
- [Kidney Failure](#)
- [Lung Neoplasms](#)
- [Metabolic Syndrome X](#)
- [Obesity](#)
- [Renal Insufficiency](#)
- [Syndrome](#)
- [Tobacco Use Disorder](#)
- [Urinary Bladder Neoplasms](#)
- [Weight Loss](#)
- [Werner syndrome](#)