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Anti-ABCG8 Antibody Picoband® Fluoro594 Conjugated

Catalog Number: A01482-2-Fluoro594

About ABCG8

ATP-binding cassette sub-family G member 8 is a protein that in humans is encoded by the ABCG8 gene. 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.

Overview

Product Name	Anti-ABCG8 Antibody Picoband® Fluoro594 Conjugated
Reactive Species	Human, Mouse, Rat
Application	Recommended applications are based on the parent unconjugated antibody (ELISA, Flow Cytometry, IF, ICC, WB). Customers may select suitable applications according to their experimental needs.
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na2HPO4, 0.02% NaN3.
Storage Instructions	At -20˚C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
Host	Rabbit
Uniprot ID	Q9H221

Technical Details

Immunogen	E.coli-derived human ABCG8 recombinant protein (Position: R50-D672).
Cross Reactivity	No cross-reactivity with other proteins.
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	Fluoro594 Excitation Wavelength: 593 nm

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	Emission Wavelength: 618 nm
Suggested Dilutions	Optimal dilutions should be determined by end users.

1 Publications Citing This Product

1. PubMed ID: 33317360, Huang J,Wang Q,Chen M,Bi Y,Shi H,Zhou K. Effects of psoralen on hepatic bile acid transporters in rats. Hum Exp Toxicol.2020 Dec 15:960327120979346.doi:10.1177/0960327120979346. Epub ahead of print.PMID:33317360.

Visit bosterbio.com/anti-abcg8-antibody-a01482-2-boster.html to see all 1 publications.

Anti-ABCG8 Antibody - Fluoro594

For Research Use Only. Not for use in diagnostic procedures.