

ABCG8 Antibody
Rabbit Polyclonal Antibody
Catalog # ALS17259**Specification**

ABCG8 Antibody - Product Information

Application	IHC-P, WB
Primary Accession	O9H221
Other Accession	64241
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	75679

ABCG8 Antibody - Additional Information**Gene ID** 64241**Other Names**

ABCG8, Sterolin-2, STSL, GBD4, Sterolin 2

Target/Specificity

Human ABCG8

Reconstitution & Storage

PBS, pH 7.2, 0.05% sodium azide. Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.

Precautions

ABCG8 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

ABCG8 Antibody - Protein Information**Name** ABCG8 ([HGNC:13887](#))**Function**

ABCG5 and ABCG8 form an obligate heterodimer that mediates Mg(2+)- and ATP-dependent sterol transport across the cell membrane. Plays an essential role in the selective transport of the dietary cholesterol in and out of the enterocytes and in the selective sterol excretion by the liver into bile (PubMed:11099417, PubMed:11452359, PubMed:27144356, PubMed:15054092). Required for normal sterol homeostasis (PubMed:11099417, PubMed:11452359, PubMed:15054092). The heterodimer with ABCG5 has ATPase activity (PubMed:11099417).

href="http://www.uniprot.org/citations/16893193" target="_blank">16893193, PubMed:20210363, PubMed:27144356).

Cellular Location

Cell membrane; Multi-pass membrane protein. Apical cell membrane; Multi-pass membrane protein

Tissue Location

Predominantly expressed in the liver (PubMed:11099417, PubMed:11452359). Low expression levels in the small intestine and colon (PubMed:11099417). Very low levels in other tissues, including brain, heart and spleen (PubMed:11452359)

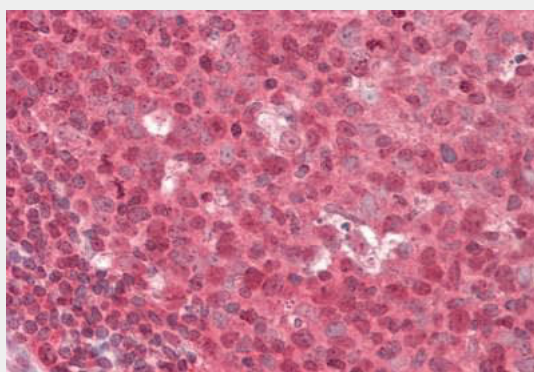
Volume

50 µl

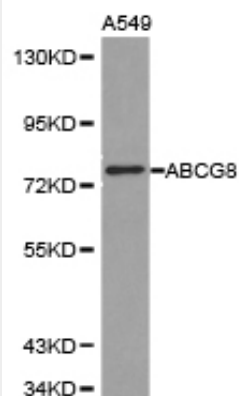
ABCG8 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

ABCG8 Antibody - Images

Human Tonsil: Formalin-Fixed, Paraffin-Embedded (FFPE)



Western blot of extracts of A549 cell lines, using ABCG8 antibody.

ABCG8 Antibody - Background

Transporter that appears to play an indispensable role in the selective transport of the dietary cholesterol in and out of the enterocytes and in the selective sterol excretion by the liver into bile.

ABCG8 Antibody - References

Berge K.E.,et al.Science 290:1771-1775(2000).
Lu K.,et al.Am. J. Hum. Genet. 69:278-290(2001).
Hillier L.W.,et al.Nature 434:724-731(2005).
Schmitz G.,et al.J. Lipid Res. 42:1513-1520(2001).
Hubacek J.A.,et al.Hum. Mutat. 18:359-360(2001).