

Anti-ABCG4 Antibody

Catalog # ABO11373

Specification

Anti-ABCG4 Antibody - Product Information

Application	WB
Primary Accession	Q9H172
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Format	Lyophilized

Description

Rabbit IgG polyclonal antibody for ATP-binding cassette sub-family G member 4(ABCG4) detection. Tested with WB in Human;Mouse;Rat.

Reconstitution

Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Anti-ABCG4 Antibody - Additional Information

Gene ID 64137

Other Names

ATP-binding cassette sub-family G member 4, ABCG4, WHITE2

Calculated MW

71896 MW KDa

Application Details

Western blot, 0.1-0.5 µg/ml, Mouse, Rat, Human

Subcellular Localization

Membrane ; Multi-pass membrane protein .

Tissue Specificity

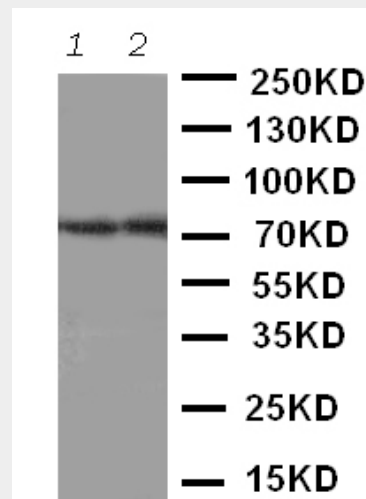
Highly expressed in brain tissues with the exception of the spinal cord. .

Protein Name

ATP-binding cassette sub-family G member 4

Contents

Each vial contains 5mg BSA, 0.9mg NaCl,



Anti-ABCG4 antibody, ABO11373, Western blotting Lane 1: Rat Brain Tissue Lysate Lane 2: Mouse Brain Tissue Lysate

Anti-ABCG4 Antibody - Background

ABCG4(ATP-Binding Cassette, Subfamily G, Member 4), is a protein that in humans is encoded by the ABCG4 gene. The protein encoded by this gene is included in the superfamily of ATP-binding cassette(ABC) transporters. This protein is a member of the White subfamily and is expressed predominantly in liver tissue. By genomic sequence analysis, Engel et al.(2001) mapped the ABCG4 gene to chromosome 11q23.3. Engel et al.(2001) demonstrated 5-fold induction of ABCG4 following treatment of normal monocyte-derived macrophages with the LXR and RXR agonists 9-cis retinoic acid and 22R hydroxycholesterol. Removal of cholesterol from macrophages by cyclodextrin decreased ABCG4 message levels.

0.2mg Na₂HPO₄, 0.05mg Thimerosal,
0.05mg NaN₃.

Immunogen

A synthetic peptide corresponding to a sequence in the middle region of human ABCG4(327-341aa AVQNGLCAMAEKKSS), different from the related mouse and rat sequences by one amino acid.

Purification

Immunogen affinity purified.

Cross Reactivity

No cross reactivity with other proteins

Storage

At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

Sequence Similarities

Belongs to the ABC transporter superfamily. ABCG family. Eye pigment precursor importer (TC 3.A.1.204) subfamily.

Anti-ABCG4 Antibody - Protein Information

Name ABCG4

Synonyms WHITE2

Function

May be involved in macrophage lipid homeostasis.

Cellular Location

Membrane; Multi-pass membrane protein

Tissue Location

Highly expressed in brain tissues with the exception of the spinal cord.

Anti-ABCG4 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](#)