Datasheet for ABIN3042920

anti-ABCG4 antibody (Middle Region)

1 Image

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Overview

Quantity:	100 µg
Target:	ABCG4
Binding Specificity:	AA 327-341, Middle Region
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ABCG4 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	Rabbit IgG polyclonal antibody for ATP-binding cassette sub-family G member 4(ABCG4) detection. Tested with WB in Human,Mouse,Rat.
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.
Sequence:	AVQNGLCAMA EKKSS
Isotype:	IgG
Cross-Reactivity (Details):	Predicted Cross Reactivity: human No cross reactivity with other proteins. Predicted Cross Reactivity: Species predicted to be fit for the product based on sequence similarities.

Product Details

Characteristics:	Rabbit IgG polyclonal antibody for ATP-binding cassette sub-family G member 4(ABCG4) detection. Tested with WB in Human,Mouse,Rat. Gene Name: ATP-binding cassette, sub-family G(WHITE), member 4 Protein Name: ATP-binding cassette sub-family G member 4
Purification:	Immunogen affinity purified.

Target Details

Target:	ABCG4
Alternative Name:	ABCG4 (ABCG4 Products)
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. Synonyms: ABCG 4 antibody|ATP binding cassette subfamily G member 4 antibody|ATP-binding cassette, sub-family G(WHITE), member 4 antibody|Putative ABC transporter antibody|WHITE 2 antibody|WHITE2 antibody
UniProt:	Q9H172

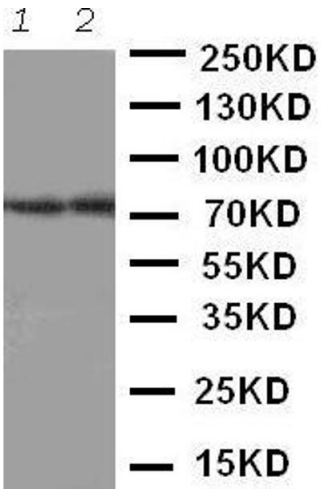
Application Details

Application Notes:	WB: Concentration: 0.1-0.5 μg/mL, Tested Species: Mouse, Rat, Predicted Species: Human Notes: Tested Species: Species with positive results. Predicted Species: Species predicted to be fit for the product based on sequence similarities. Other applications have not been tested. Optimal dilutions should be determined by end users.
Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg Thimerosal, 0.05 mg Sodium azide.
Preservative:	Thimerosal (Merthiolate), Sodium azide
Precaution of Use:	This product contains Sodium azide and Thimerosal (Merthiolate): POISONOUS AND HAZARDOUS SUBSTANCES which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	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.
Expiry Date:	12 months

Images



Western Blotting

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