

Datasheet for ABIN2781532
anti-ABCG5 antibody (Middle Region)

2 Images

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Overview

Quantity:	100 µL
Target:	ABCG5
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Cow, Dog, Rabbit, Guinea Pig, Horse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ABCG5 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human ABCG5
Sequence:	CGYPCPEHSN PFDYMDLTS VDTQSKEREI ETSKRVQMIE SAYKKSAICH
Predicted Reactivity:	Cow: 86%, Dog: 86%, Guinea Pig: 100%, Horse: 93%, Human: 100%, Mouse: 86%, Rabbit: 86%, Rat: 86%
Characteristics:	This is a rabbit polyclonal antibody against ABCG5. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	ABCG5
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Target Details

Alternative Name:	ABCG5 (ABCG5 Products)
Background:	<p>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 as a half-transporter to limit intestinal absorption and promote biliary excretion of sterols. It is expressed in a tissue-specific manner in the liver, colon, and intestine. This gene is tandemly arrayed on chromosome 2, in a head-to-head orientation with family member ABCG8. Mutations in this gene may contribute to sterol accumulation and atherosclerosis, and have been observed in patients with sitosterolemia.</p> <p>Alias Symbols: STSL</p> <p>Protein Interaction Partner: Dlg4, ABCG8,</p> <p>Protein Size: 651</p>
Molecular Weight:	72 kDa
Gene ID:	64240
NCBI Accession:	NM_022436 , NP_071881
UniProt:	Q9H222
Pathways:	Lipid Metabolism

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 651 AA
Restrictions:	For Research Use only

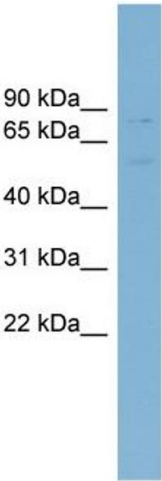
Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

Handling

	should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



90 kDa__
65 kDa__
40 kDa__
31 kDa__
22 kDa__

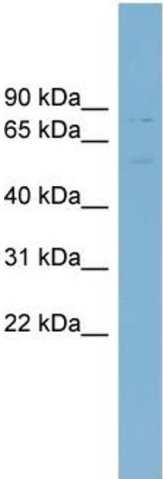
Western Blotting

Image 1. WB Suggested Anti-ABCG5 Antibody Titration:

0.2-1 ug/ml

ELISA Titer: 1:62500

Positive Control: Human Spleen



90 kDa__
65 kDa__
40 kDa__
31 kDa__
22 kDa__

Rabbit Anti-ABCG5 Antibody
Catalog Number: ARP43703
Lot Number: QC13931
Lane: Fetal Spleen Lysate

Antibody Titration: 1.0µg/ml
Gel Concentration: 12%

Western Blotting

Image 2. WB Suggested Anti-ABCG5 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:62500 Positive Control: Human Spleen