

# ABCG1 Rabbit mAb

Catalog # AP74944

## Product Information

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<b>Application</b>	WB
<b>Primary Accession</b>	<a href="#">P45844</a>
<b>Reactivity</b>	Rat, Human, Mouse
<b>Host</b>	Rabbit
<b>Clonality</b>	Monoclonal Antibody
<b>Isotype</b>	IgG
<b>Conjugate</b>	Unconjugated
<b>Purification</b>	Affinity Purified
<b>Calculated MW</b>	75592

## Additional Information

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<b>Gene ID</b>	9619
<b>Other Names</b>	ABCG1
<b>Dilution</b>	WB~~1:1000-1:5000
<b>Format</b>	Liquid in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

## Protein Information

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<b>Name</b>	ABCG1 ( <a href="#">HGNC:73</a> )
<b>Synonyms</b>	ABC8, WHT1
<b>Function</b>	Catalyzes the efflux of phospholipids such as sphingomyelin, cholesterol and its oxygenated derivatives like 7beta- hydroxycholesterol and this transport is coupled to hydrolysis of ATP (PubMed: <a href="#">17408620</a> , PubMed: <a href="#">24576892</a> ). The lipid efflux is ALB-dependent (PubMed: <a href="#">16702602</a> ). Is an active component of the macrophage lipid export complex. Could also be involved in intracellular lipid transport processes. The role in cellular lipid homeostasis may not be limited to macrophages. Prevents cell death by transporting cytotoxic 7beta-hydroxycholesterol (PubMed: <a href="#">17408620</a> ).
<b>Cellular Location</b>	Endoplasmic reticulum membrane; Multi-pass membrane protein. Golgi apparatus membrane; Multi-pass membrane protein. Cell membrane Note=Predominantly localized in the intracellular compartments mainly associated with the endoplasmic reticulum (ER) and Golgi membranes

## Tissue Location

Expressed in several tissues. Expressed in macrophages; expression is increased in macrophages from patients with Tangier disease.

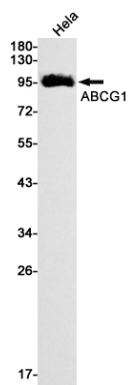
## Background

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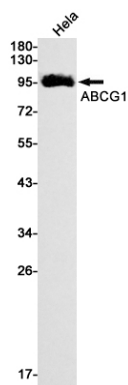
Functions to regulate cholesterol and phospholipid transport in macrophages. ABCG1 is highly expressed in several tissues, including brain, spleen, lung and placenta, and has been localized to the cell surface and intracellular compartments of cholesterol-laden macrophages.

## Images

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Western blot analysis of ABCG1 in HeLa lysates using ABCG1 antibody.



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