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Anti-ABCG1 Rabbit Monoclonal Antibody

Catalog # ABO13629

Product Information

Application	WB, IHC, IF, ICC
Primary Accession	P45844
Host	Rabbit
Isotype	Rabbit IgG
Reactivity	Rat, Human
Clonality	Monoclonal
Format	Liquid
Description	Anti-ABCG1 Rabbit Monoclonal Antibody . Tested in WB, IHC, ICC/IF applications. This antibody reacts with Human, Rat.

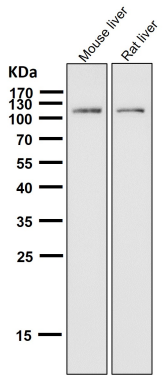
Additional Information

Gene ID	9619
Other Names	ATP-binding cassette sub-family G member 1, 7.6.2.-, ATP-binding cassette transporter 8, White protein homolog, ABCG1 (HGNC:73), ABC8, WHT1
Calculated MW	75592
Application Details	WB 1:500-1:1000 IHC 1:50-1:100 ICC/IF 1:50-1:100
Subcellular Localization	Endoplasmic reticulum membrane ; Multi-pass membrane protein. Golgi apparatus membrane ; Multi-pass membrane protein. Predominantly localized in the intracellular compartments mainly associated with the endoplasmic reticulum (ER) and Golgi membranes.
Tissue Specificity	Expressed in several tissues. Expressed in macrophages; expression is increased in macrophages from patients with Tangier disease..
Source	Eukaryota
Contents	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
Clone Names	Clone: CHH-1
Immunogen	A synthesized peptide derived from human ABCG1
Purification	Affinity-chromatography
Storage	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

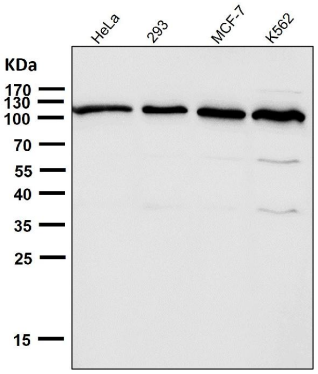
Protein Information

Name	ABCG1 (HGNC:73)
Synonyms	ABC8, WHT1
Function	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:17408620, PubMed:24576892). The lipid efflux is ALB-dependent (PubMed:16702602). 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:17408620).
Cellular Location	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.

Images

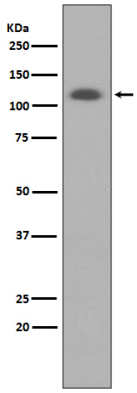


All lanes use the Antibody at 1:1K dilution for 1 hour at room temperature.



All lanes use the Antibody at 1:1K dilution for 1 hour at room temperature.

Western blot analysis of ABCG1 expression in HUVEC cell lysate.



Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.