

ABCG1 Polyclonal Antibody
Catalog # AP73243**Specification**

ABCG1 Polyclonal Antibody - Product Information

Application	WB, IHC-P
Primary Accession	P45844
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal

ABCG1 Polyclonal Antibody - Additional Information**Gene ID** 9619**Other Names**

ABCG1; ABC8; WHT1; ATP-binding cassette sub-family G member 1; ATP-binding cassette transporter 8; White protein homolog

Dilution

WB~~Western Blot: 1/500 - 1/2000. IHC-p: 1:100-300 ELISA: 1/10000. Not yet tested in other applications.

IHC-P~~N/A

Format

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

Storage Conditions

-20°C

ABCG1 Polyclonal Antibody - 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](http://www.uniprot.org/citations/17408620)>), PubMed:<[24576892](http://www.uniprot.org/citations/24576892)>). The lipid efflux is ALB-dependent (PubMed:<[16702602](http://www.uniprot.org/citations/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](http://www.uniprot.org/citations/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

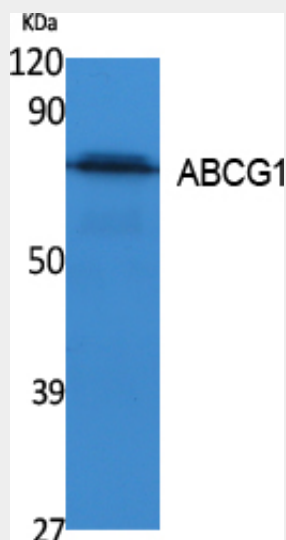
Tissue Location

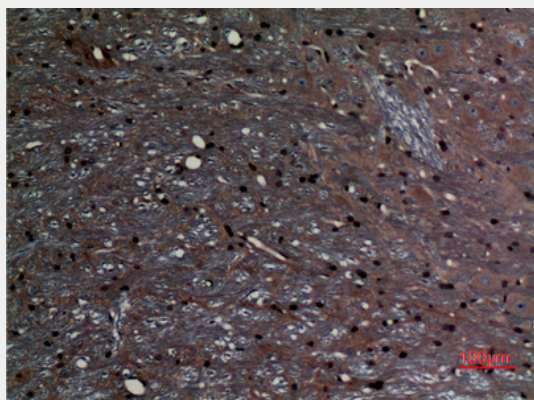
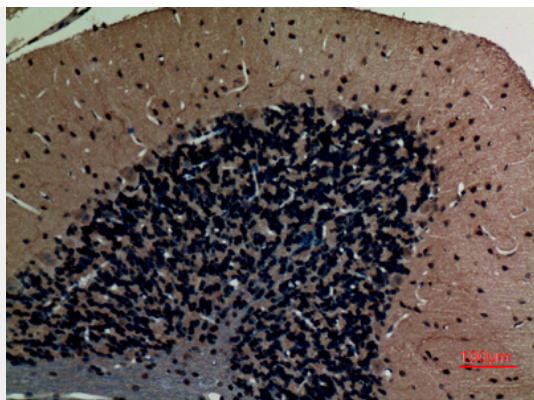
Expressed in several tissues. Expressed in macrophages; expression is increased in macrophages from patients with Tangier disease.

ABCG1 Polyclonal 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](#)

ABCG1 Polyclonal Antibody - Images



ABCG1 Polyclonal Antibody - Background

Transporter involved in macrophage lipid homeostasis. 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.