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Rabbit Anti-ABCG1/AF350 Conjugated antibody

SL23382R-AF350

Product Name	Anti-ABCG1/AF350
Chinese Name	AF350 标记的三磷酸腺苷结合盒亚家族 G1 抗体
Alias	ABC transporter 8; Abc8; ATP-binding cassette sub-family G member 1; ATP-binding cassette transporter 8; ATP-binding cassette transporter member 1 of subfamily G; ATP-binding cassette, sub family G WHITE member 1; homolog of Drosophila white; MGC34313; White protein homolog; White protein homolog ATP binding cassette transporter 8; ABC8; ABCG1; ABCG1_HUMAN; ATP-binding cassette sub family G member 1; WHT1; WHITE1; wht1.
Research Area	Tumour Cardiovascular Signal transduction The new supersedes the old
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	Human,Mouse,Rat(predicted:Dog)
Applications	IF=1:100-500 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight	76kDa
Form	Lyophilized or Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human ABCG1
Lsotype	IgG
Purification	affinity purified by Protein A
Storage Buffer	Preservative: 15mM Sodium Azide, Constituents: 1% BSA, 1M PBS, pH 7.4.
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Product Detail	**background:**

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. It is involved in macrophage cholesterol and phospholipids transport, and may regulate cellular lipid homeostasis in other cell types. Six alternative splice variants have been identified.

Function:
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.

Subunit:
May form heterodimers with several heterologous partners of the ABCG subfamily.

Subcellular Location:
Endoplasmic reticulum membrane. Golgi apparatus membrane. 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.

Post-translational modifications:
Palmitoylation at Cys-315 seems important for trafficking from the endoplasmic reticulum.

Similarity:
Belongs to the ABC transporter superfamily. ABCG family. Eye pigment precursor importer (TC 3.A.1.204) subfamily.
Contains 1 ABC transmembrane type-2 domain.
Contains 1 ABC transporter domain.

Database links:

Entrez Gene: 510745 Cow

Entrez Gene: 9619 Human

Entrez Gene: 85264 Rat

Omim: 603076 Human

SwissProt: P45844 Human

Unigene: 124649 Human

Unigene: 8398 Rat

Important Note:
This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

ABCG1 是 ABCTransporter 家族中的成员，是位于组织浆膜中的单体 Transporter，多分布于肝、小肠、胎盘、脂肪和脾.主要用于脂质/Lipoprotein 代谢与动脉粥样硬化方面的研究.