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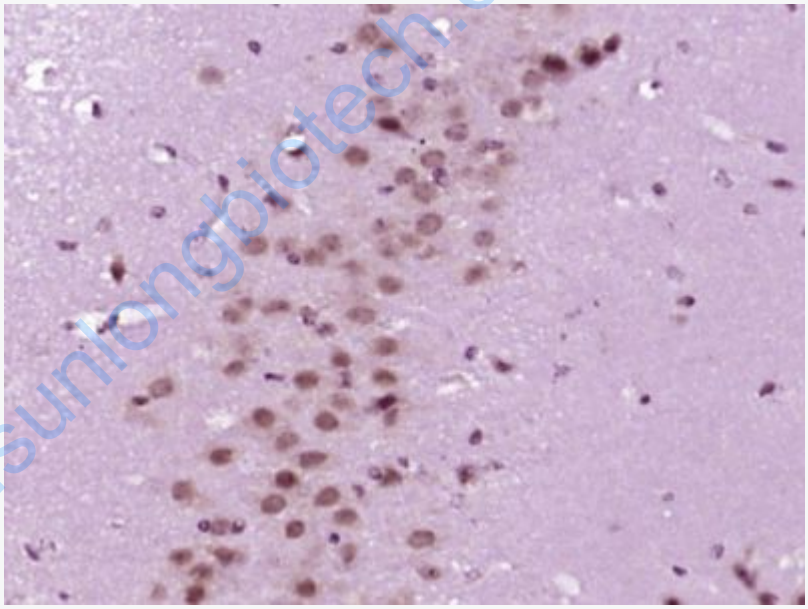
Rabbit Anti-ABCG1 antibody

SL23381R

Product Name:	ABCG1
Chinese Name:	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.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Dog,Pig,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	76kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human ABCG1 :301-400/663
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
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 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	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. **SWISS:** P45844 **Gene ID:** 9619 **Database links:** Entrez Gene: 510745Cow Entrez Gene: 9619Human Entrez Gene: 85264Rat

	Omim: 603076Human SwissProt: P45844Human Unigene: 124649Human Unigene: 8398Rat **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.
Picture:	 Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (ABCG1) Polyclonal Antibody, Unconjugated (SL23381R) at 1:400 overnight at 4°C, followed by operating according to SP

	Kit(Rabbit) (sp-0023) instructionsand DAB staining.