

产品名称: ABCB7 Rabbit Polyclonal Antibody
产品货号: APRab06405



产品概述 (Summary)

产品名称 (Production Name)	ABCB7 Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC,ICC/IF,ELISA
种属反应性 (Reactivity)	Human,Rat,Mouse

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	ABCB7
别名 (Alternative Names)	ABCB7; ABC7; ATP-binding cassette sub-family B member 7; mitochondrial; ATP-binding cassette transporter 7; ABC transporter 7 protein
基因 ID (Gene ID)	22.0
蛋白 ID (SwissProt ID)	O75027.The antiserum was produced against synthesized peptide derived from human ABCB7. AA range:691-740

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:20000-1:40000
蛋白分子量 (Molecular Weight)	Human:83kDa,Mouse/Rat 100kDa

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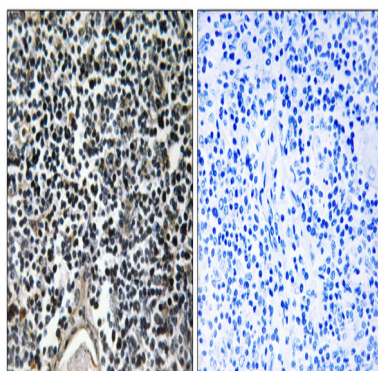
研究背景 (Background)

The membrane-associated 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 MDR/TAP subfamily. Members of the MDR/TAP subfamily are involved in multidrug resistance as well as antigen presentation. This gene encodes a half-transporter involved in the transport of heme from the mitochondria to the cytosol. With iron/sulfur cluster precursors as its substrates, this protein may play a role in metal homeostasis. Mutations in this gene have been associated with mitochondrial iron accumulation and isodicyclic (X)(q13) and sideroblastic anemia. Alternatively spliced transcript variants encoding multiple isoforms have been identified. Defects in ABCB7 are the cause of X-linked sideroblastic anemia with ataxia (ASAT) [MIM:301310]. ASAT is a recessive disorder characterized by an infantile to early childhood onset of nonprogressive cerebellar ataxia and mild anemia with hypochromia and microcytosis. function: Could be involved in the transport of heme from the mitochondria to the cytosol. Plays a central role in the maturation of cytosolic iron-sulfur (Fe/S) cluster-containing proteins. similarity: Belongs to the ABC transporter family. Heavy Metal importer (TC 3.A.1.210) subfamily. similarity: Contains 1 ABC transmembrane type-1 domain. similarity: Contains 1 ABC transporter domain. subunit: Homodimer or heterodimer.

研究领域 (Research Area)

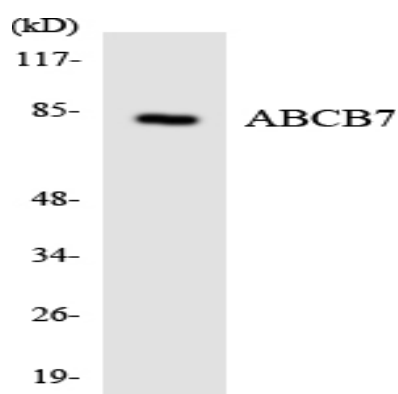
ABC transporters;

图片 (Image Data)

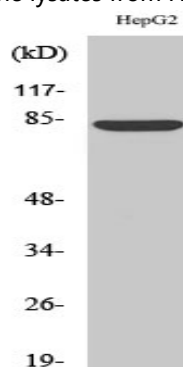


Immunohistochemistry analysis of paraffin-embedded human thymus gland, using ABCB7 Antibody. The picture on the right is blocked with the synthesized peptide.

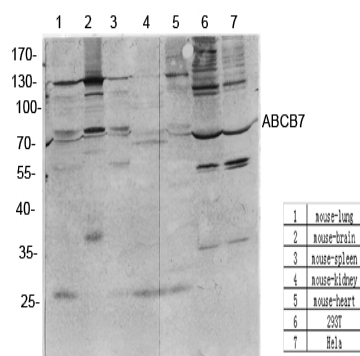
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Western blot analysis of the lysates from HUVEC cells using ABCB7 antibody.



Western Blot analysis of various cells using ABCB7 Polyclonal Antibody diluted at 1: 1000



Western Blot analysis of various cells using antibody diluted at 1:1000. Secondary antibody was diluted at 1:20000

注意事项 (Note)

For research use only .