

产品名称: Sar1B Rabbit Polyclonal Antibody
产品货号: AP Rab17603



产品概述 (Summary)

产品名称 (Production Name)	Sar1B 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,Mouse,Rat

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)	SAR1B
别名 (Alternative Names)	SAR1B; SARA2; SARB; GTP-binding protein SAR1b; GTP-binding protein B; GTBPPB
基因 ID (Gene ID)	51128.0
蛋白 ID (SwissProt ID)	Q9Y6B6.The antiserum was produced against synthesized peptide derived from human SAR1B. AA range:111-160

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 1:10000-1:20000
蛋白分子量 (Molecular Weight)	22kDa

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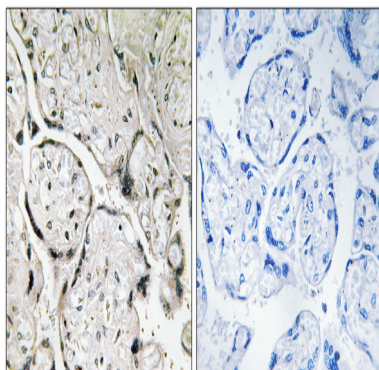
研究背景 (Background)

The protein encoded by this gene is a small GTPase that acts as a homodimer. The encoded protein is activated by the guanine nucleotide exchange factor PREB and is involved in protein transport from the endoplasmic reticulum to the Golgi. This protein is part of the COPII coat complex. Defects in this gene are a cause of chylomicron retention disease (CMRD), also known as Anderson disease (ANDD). Two transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Mar 2010], disease: Defects in SAR1B are the cause of chylomicron retention disease (CMRD) [MIM:246700]; also known as Anderson disease (ANDD). CMRD is an autosomal recessive disorder of severe fat malabsorption associated with failure to thrive in infancy. The condition is characterized by deficiency of fat-soluble vitamins, low blood cholesterol levels, and a selective absence of chylomicrons from blood. Affected individuals accumulate chylomicron-like particles in membrane-bound compartments of enterocytes, which contain large cytosolic lipid droplets., function: Involved in transport from the endoplasmic reticulum to the Golgi apparatus. Activated by the guanine nucleotide exchange factor PREB. Involved in the selection of the protein cargo and the assembly of the COPII coat complex., similarity: Belongs to the small GTPase superfamily., similarity: Belongs to the small GTPase superfamily. SAR1 family., subcellular location: Associated with the endoplasmic reticulum and Golgi stacks, in particular in the juxta-nuclear Golgi region., subunit: Homodimer. Binds PREB. Part of the COPII coat complex. Binds to the cytoplasmic tails of target proteins in the endoplasmic reticulum., tissue specificity: Expressed in many tissues including small intestine, liver, muscle and brain.,

研究领域 (Research Area)

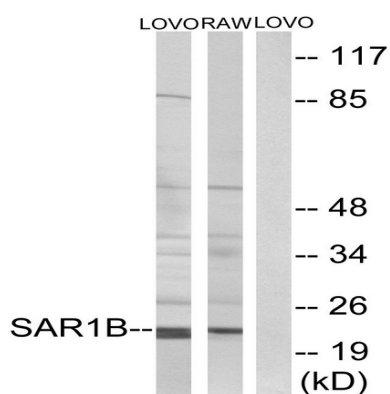
Signal Transduction; Signaling Pathway G; Protein Signaling; Small G Proteins; Protein Trafficking; Organelle Proteins; Vesicle Transport; Regulation; ER Proteins

图片 (Image Data)



Immunohistochemistry analysis of paraffin-embedded human placenta tissue, using SAR1B Antibody. The picture on the right is blocked with the synthesized peptide.

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Western blot analysis of lysates from LOVO and RAW264.7 cells, using SAR1B Antibody. The lane on the right is blocked with the synthesized peptide.

注意事项 (Note)

For research use only .