

产品名称: P-glycoprotein 1 Rabbit Polyclonal Antibody
产品货号: AP Rab16037



产品概述 (Summary)

产品名称 (Production Name)	P-glycoprotein 1 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)	ABCB1
别名 (Alternative Names)	p-pg;ABCB1; MDR1; PGY1; Multidrug resistance protein 1; ATP-binding cassette sub-family B member 1; P-glycoprotein 1; CD antigen CD243
基因 ID (Gene ID)	5243.0
蛋白 ID (SwissProt ID)	P08183.The antiserum was produced against synthesized peptide derived from human P-glycoprotein 1. AA range:534-583

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)	

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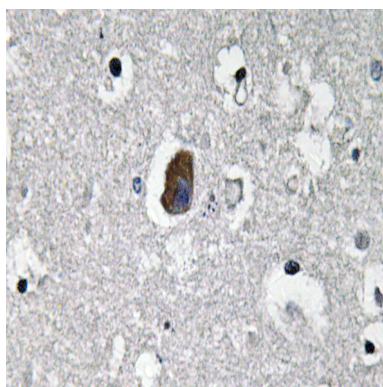
研究背景 (Background)

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. The protein encoded by this gene is an ATP-dependent drug efflux pump for xenobiotic compounds with broad substrate specificity. It is responsible for decreased drug accumulation in multidrug-resistant cells and often mediates the development of resistance to anticancer drugs. This protein also functions as a transporter in the blood-brain barrier. [provided by RefSeq, Jul 2008], catalytic activity: $\text{ATP} + \text{H}_2\text{O} + \text{xenobiotic(In)} = \text{ADP} + \text{phosphate} + \text{xenobiotic(Out)}$, disease: Genetic variations in ABCB1 are associated with susceptibility to inflammatory bowel disease type 13 (IBD13) [MIM:612244]. Inflammatory bowel disease is characterized by a chronic relapsing intestinal inflammation. It is subdivided into Crohn disease and ulcerative colitis phenotypes. Crohn disease may involve any part of the gastrointestinal tract, but most frequently the terminal ileum and colon. Bowel inflammation is transmural and discontinuous; it may contain granulomas or be associated with intestinal or perianal fistulas. In contrast, in ulcerative colitis, the inflammation is continuous and limited to rectal and colonic mucosal layers; fistulas and granulomas are not observed. Both diseases include extraintestinal inflammation of the skin, eyes, or joints. Crohn disease and ulcerative colitis are commonly classified as autoimmune diseases., function: Energy-dependent efflux pump responsible for decreased drug accumulation in multidrug-resistant cells., online information: P-glycoprotein entry, online information: The Singapore human mutation and polymorphism database, polymorphism: Genetic variation in ABCB1 may play a role in patients who do not respond to drug treatment., similarity: Belongs to the ABC transporter family., similarity: Belongs to the ABC transporter family. Multidrug resistance exporter (TC 3.A.1.201) subfamily., similarity: Contains 2 ABC transmembrane type-1 domains., similarity: Contains 2 ABC transporter domains., tissue specificity: Expressed in liver, kidney, small intestine and brain.,

研究领域 (Research Area)

ABC transporters;

图片 (Image Data)



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Immunohistochemistry analysis of Mdr-1 antibody in paraffin-embedded human brain tissue.

注意事项 (Note)

For research use only .