

产品名称: CD59 Rabbit Polyclonal Antibody
产品货号: AP Rab08423



产品概述 (Summary)

产品名称 (Production Name)	CD59 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)	CD59 CD59; MIC11; MIN1; MIN2; MIN3; MSK21; CD59 glycoprotein; 1F5 antigen; 20 kDa homologous restriction factor; HRF-20; HRF20; MAC-inhibitory protein; MAC-IP; MEM43 antigen; Membrane attack complex inhibition factor; MACIF; Membrane inhibitor of reactive lysis; MIRL; Protectin; CD59
别名 (Alternative Names)	
基因 ID (Gene ID)	966.0
蛋白 ID (SwissProt ID)	P13987.The antiserum was produced against synthesized peptide derived from the Internal region of human CD59. AA range:51-100

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
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蛋白分子量 (Molecular Weight) 16kDa

研究背景 (Background)

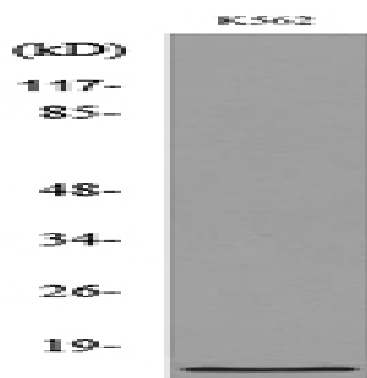
This gene encodes a cell surface glycoprotein that regulates complement-mediated cell lysis, and it is involved in lymphocyte signal transduction. This protein is a potent inhibitor of the complement membrane attack complex, whereby it binds complement C8 and/or C9 during the assembly of this complex, thereby inhibiting the incorporation of multiple copies of C9 into the complex, which is necessary for osmolytic pore formation. This protein also plays a role in signal transduction pathways in the activation of T cells. Mutations in this gene cause CD59 deficiency, a disease resulting in hemolytic anemia and thrombosis, and which causes cerebral infarction. Multiple alternatively spliced transcript variants, which encode the same protein, have been identified for this gene. [provided by RefSeq, Jul 2008],disease:Defects in CD59 are the cause of CD59 deficiency [MIM:612300],function:Potent inhibitor of the complement membrane attack complex (MAC) action. Acts by binding to the C8 and/or C9 complements of the assembling MAC, thereby preventing incorporation of the multiple copies of C9 required for complete formation of the osmolytic pore. This inhibitor appears to be species-specific. Involved in signal transduction for T-cell activation complexed to a protein tyrosine kinase,function:The soluble form from urine retains its specific complement binding activity, but exhibits greatly reduced ability to inhibit MAC assembly on cell membranes,online information:CD59 mutation db,PTM:Glycated. Glycation is found in diabetic subjects, but only at minimal levels in nondiabetic subjects. Glycated CD59 lacks MAC-inhibitory function and confers to vascular complications of diabetes,PTM:N- and O-glycosylated. The N-glycosylation mainly consists of a family of biantennary complex-type structures with and without lactosamine extensions and outer arm fucose residues. Also significant amounts of triantennary complexes (22%). Variable sialylation also present in the Asn-43 oligosaccharide. The predominant O-glycans are mono-sialylated forms of the disaccharide, Gal-beta-1,3GalNAc, and their sites of attachment are probably on Thr-76 and Thr-77. The GPI-anchor of soluble urinary CD59 has no inositol-associated phospholipid, but is composed of seven different GPI-anchor variants of one or more monosaccharide units. Major variants contain sialic acid, mannose and glucosamine Sialic acid linked to an N-acetylhexosamine-galactose arm is present in two variants,similarity:Contains 1 UPAR/Ly6 domain,subcellular location:Soluble form found in a number of tissues,subunit:Interacts with T-cell surface antigen CD2,

研究领域 (Research Area)

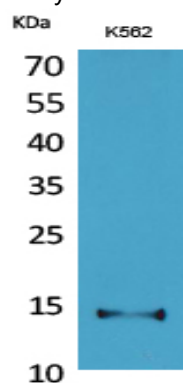
Complement and coagulation cascades;Hematopoietic cell lineage;

图片 (Image Data)

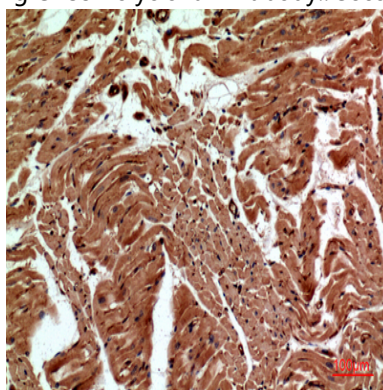
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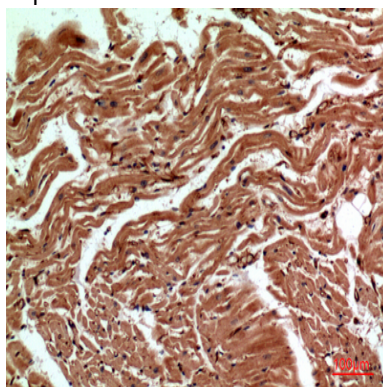
Western blot analysis of lysate from K562 cells, using CD59 Antibody.



Western Blot analysis of K562 cells using CD59 Polyclonal Antibody.. Secondary antibody was diluted at 1:20000



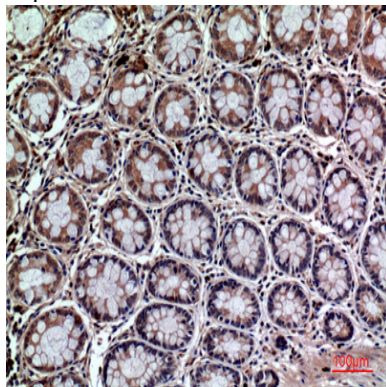
Immunohistochemical analysis of paraffin-embedded human-heart, antibody was diluted at 1:100



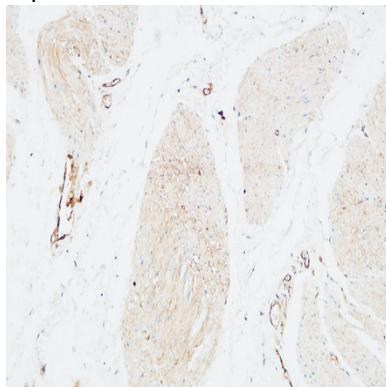
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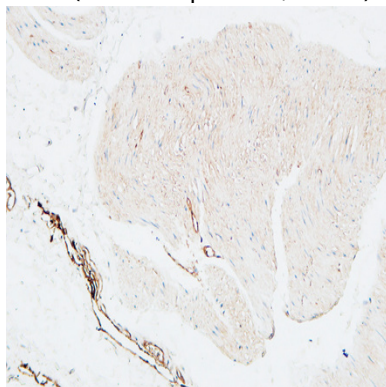
Immunohistochemical analysis of paraffin-embedded human-heart, antibody was diluted at 1:100



Immunohistochemical analysis of paraffin-embedded human-colon, antibody was diluted at 1:100

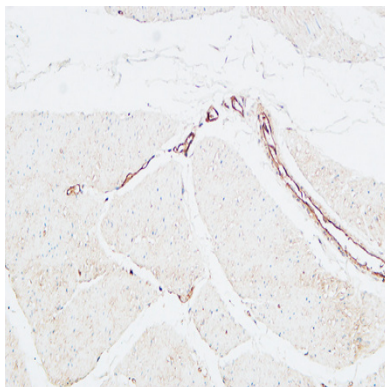


Immunohistochemical analysis of paraffin-embedded Human Bladder. 1, Antibody was diluted at 1:200 (4°,overnight) . 2, High-pressure and temperature EDTA, pH8.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200 (room temperature, 30min) .



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注意事项 (Note)

For research use only .