

产品名称: CD55 Rabbit Polyclonal Antibody
产品货号: APRab08418



产品概述 (Summary)

产品名称 (Production Name)	CD55 Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,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)	CD55
别名 (Alternative Names)	CD55; CR; DAF; Complement decay-accelerating factor; CD55
基因 ID (Gene ID)	1604.0
蛋白 ID (SwissProt ID)	P08174.The antiserum was produced against synthesized peptide derived from the Internal region of human CD55. AA range:241-290

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,ELISA 1:10000-1:20000
蛋白分子量 (Molecular Weight)	42kDa

研究背景 (Background)

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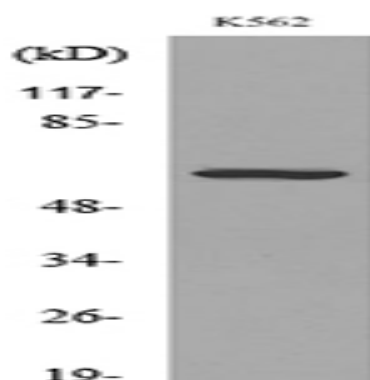
This gene encodes a glycoprotein involved in the regulation of the complement cascade. Binding of the encoded protein to complement proteins accelerates their decay, thereby disrupting the cascade and preventing damage to host cells. Antigens present on this protein constitute the Cromer blood group system (CROM). Alternative splicing results in multiple transcript variants. The predominant transcript variant encodes a membrane-bound protein, but alternatively spliced transcripts may produce soluble proteins. [provided by RefSeq, Jul 2014], domain: The first Sushi domain (SCR1) is not necessary for function. SCR2 and SCR4 provide the proper conformation for the active site on SCR3., function: This protein recognizes C4b and C3b fragments that condense with cell-surface hydroxyl or amino groups when nascent C4b and C3b are locally generated during C4 and C3 activation. Interaction of DAF with cell-associated C4b and C3b polypeptides interferes with their ability to catalyze the conversion of C2 and factor B to enzymatically active C2a and Bb and thereby prevents the formation of C4b2a and C3bBb, the amplification convertases of the complement cascade., online information: Blood group antigen gene mutation database, online information: CD55 mutation db, online information: Decay-accelerating factor entry, online information: Icosahedral capsid structure, polymorphism: Responsible for the Cromer blood group system. It consists of at least 8 high-incidence (Cr(a), Tc(a), Dr(a), Es(a), WES(b), UMC, IFC and GUT1) and three low-incidence (Tc(b), Tc(c) and WES(a)) antigens that reside on DAF. In the Cromer phenotypes Dr(a-) and Inab there is reduced or absent expression of DAF, respectively. In the case of the Dr(a-) phenotype, a single nucleotide substitution within exon 5 accounts for two changes: a simple amino acid substitution, Leu-199 that is the basis of the antigenic variation, and an alternative splicing event that underlies the decreased expression of DAF in this phenotype. The Inab phenotype is a very rare one in which the red blood cells lack all Cromer system antigens. The red blood cells of individuals with Inab phenotype have a deficiency of DAF, but these individuals are not known to have any associated hematologic or other abnormalities., PTM: The Ser/Thr-rich domain is heavily O-glycosylated., similarity: Belongs to the receptors of complement activation (RCA) family., similarity: Contains 4 Sushi (CCP/SCR) domains., subunit: Monomer (major form) and non-disulfide-linked, covalent homodimer (minor form). Binds to coxsackievirus A21, coxsackieviruses B1, B3 and B5, human enterovirus 70, human echoviruses 6, 7, 11, 12, 20 and 21 capsid proteins and acts as a receptor for these viruses., tissue specificity: Expressed on the plasma membranes of all cell types that are in intimate contact with plasma complement proteins. It is also found on the surfaces of epithelial cells lining extracellular compartments, and variants of the molecule are present in body fluids and in extracellular matrix.,

研究领域 (Research Area)

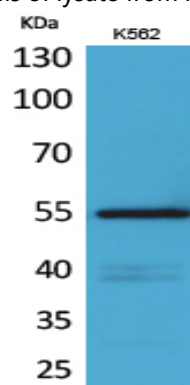
Complement and coagulation cascades; Hematopoietic cell lineage; Viral myocarditis;

图片 (Image Data)

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Western blot analysis of lysate from K562 cells, using CD55 Antibody.



Western Blot analysis of K562 cells using CD55 Polyclonal Antibody.. Secondary antibody was diluted at 1:20000

注意事项 (Note)

For research use only .