Product Name: CD35 Rabbit Polyclonal Antibody
Catalog #: APRab08376

Summary

Production Name	CD35 Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	WB
Reactivity	Human,Rat,Mouse

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	
Alternative Names	complement component (3b/4b) receptor 1/2 (Knops blood group)
Gene ID	1378.0
SwissProt ID	P17927/Q2VPA4.The antiserum was produced against synthesized peptide derived from the Internal region of human CR1/CR1L. AA range:300-350 & 740-790

Application

Dilution Ratio	WB 1:500-2000, ELISA 1:10000-20000
Molecular Weight	220kD

Background

This gene is a member of the receptors of complement activation (RCA) family and is located in the 'cluster

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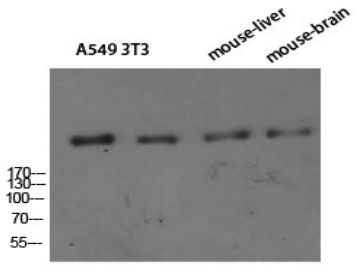
RCA' region of chromosome 1. The gene encodes a monomeric single-pass type I membrane glycoprotein found on erythrocytes, leukocytes, glomerular podocytes, and splenic follicular dendritic cells. The Knops blood group system is a system of antigens located on this protein. The protein mediates cellular binding to particles and immune complexes that have activated complement. Decreases in expression of this protein and/or mutations in its gene have been associated with gallbladder carcinomas, mesangiocapillary glomerulonephritis, systemic lupus erythematosus and sarcoidosis. Mutations in this gene have also been associated with a reduction in Plasmodium falciparum rosetting, conferring protection against severe malaria. Alternate allele-specific splice variantsfunction:Mediates cellular binding of particles and immune complexes that have activated complement.,miscellaneous:This is the sequence of the F allotype of CR1.,online information:Blood group antigen gene mutation database,polymorphism:CR1 contains a system of antigens called the Knops blood group system. Polymorphisms within this system are involved in malarial rosetting, a process associated with cerebral malaria, the major cause of mortality in Plasmodium falciparum malaria. Common Knops system antigens include McCoy (McC) and Sl(a)/Vil (Kn4, or Swain-Langley; Vil or Villien). Sl(a-) phenotype is more common in persons of African descent and may protect against fatal malaria.,similarity:Belongs to the receptors of complement activation (RCA) family.,similarity:Contains 30 Sushi (CCP/SCR) domains.,subunit:Monomer.,tissue specificity:Present on erythrocytes, leukocytes, glomerular podocytes, and splenic follicular dendritic cells.,

Research Area

Complement and coagulation cascades;Hematopoietic cell lineage;

Image Data



Western Blot analysis of A549 3T3 mouse-liver mouse-brain cells using CD35 Polyclonal Antibody diluted at 1:800. Secondary antibody was diluted at 1:20000

Note

For research use only.