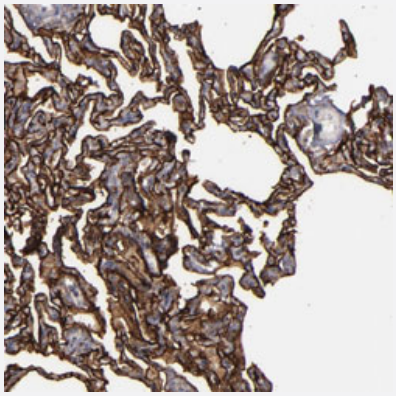
CD55 polyclonal antibody

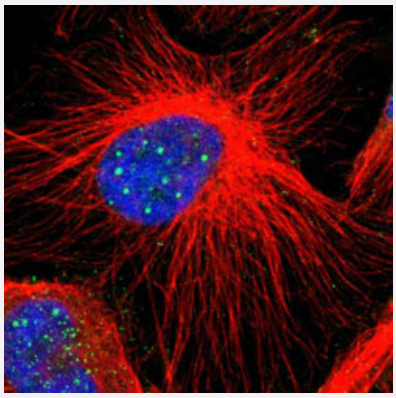
Catalog # PAB29331 Size 100 uL

Applications



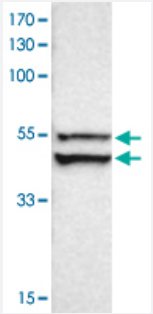
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of human lung with CD55 polyclonal antibody (Cat# PAB29331) shows strong membranous and cytoplasmic positivity in alveolar cells and macrophages at 1:50-1:200 dilution.



Immunofluorescence

Immunofluorescent staining of human cell line U-251 MG with CD55 polyclonal antibody (Cat# PAB29331) under 1-4 ug/mL working concentration shows positivity in nucleus.



Western Blot (Cell lysate)

Western blot analysis of Human cell line RT-4 with CD55 polyclonal antibody (Cat# PAB29331) at 1:100-1:250 dilution.

Specification

Copyright © 2023 Abnova Corporation. All Rights Reserved.

Product Description	Rabbit polyclonal antibody raised against recombinant human CD55.
Immunogen	Recombinant protein corresponding to amino acids of human CD55.
Sequence	YCPAPPQIDNGIIQGERDHYGYRQSVTYACNKGFTMIGEHSIYCTVNNDEGEWSGPPPECRGKSLT SKVPPTVQKPTTVNVPTTEVSPTSQKTTTKTTTPNAQATRSTPVSRTTKHFHETTPNKGSGTTSGT TRLLSGHTCFTLTGLLGTLVTMG
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Antigen affinity purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (1:50-1:200) Western Blot (1:100-1:250) Immunofluorescence (1-4 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

  Immunohistochemical staining of human lung with CD55 polyclonal antibody (Cat# PAB29331) shows strong membranous and cytoplasmic positivity in alveolar cells and macrophages at 1:50-1:200 dilution.

- Immunofluorescence

  Immunofluorescent staining of human cell line U-251 MG with CD55 polyclonal antibody (Cat# PAB29331) under 1-4 ug/mL working concentration shows positivity in nucleus.

- Western Blot (Cell lysate)

  Western blot analysis of Human cell line RT-4 with CD55 polyclonal antibody (Cat# PAB29331) at 1:100-1:250 dilution.

Gene Info — CD55

Copyright © 2023 Abnova Corporation. All Rights Reserved.

Entrez GeneID	1604
Protein Accession#	B1AP15
Gene Name	CD55
Gene Alias	CR, CROM, DAF, TC
Gene Description	CD55 molecule, decay accelerating factor for complement (Cromer blood group)
Omim ID	125240
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a protein involved in the regulation of the complement cascade. The encoded glycoprotein is also known as the decay-accelerating factor (DAF); binding of DAF to complemen t proteins accelerates their decay, disrupting the cascade and preventing damage to host cells. A ntigens present on the DAF glycoprotein constitute the Cromer blood group system (CROM). Two alternatively spliced transcripts encoding different proteins have been identified. The predominant transcript encodes a membrane-bound protein expressed on cells exposed to plasma component proteins but an alternatively spliced transcript produces a soluble protein present at much lower le vels. Additional, alternatively spliced transcript variants have been described, but their biological v alidity has not been determined. [provided by RefSeq
Other Designations	CD55 antigen|decay accelerating factor for complement

Pathway

- Complement and coagulation cascades
- Hematopoietic cell lineage

Disease

- Asthma
- Birth Weight
- Chorioamnionitis
- Down Syndrome
- Fetal Membranes
- Genetic Predisposition to Disease
- Glioblastoma

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- Glioma
- Leukemia
- Lymphoma
- Macular Degeneration
- Meningeal Neoplasms
- Meningioma
- Obstetric Labor
- Pre-Eclampsia
- Premature Birth
- Rhinitis

Copyright © 2023 Abnova Corporation. All Rights Reserved.