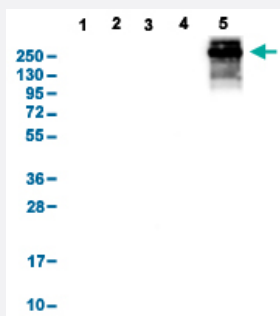


CR1 polyclonal antibody

Catalog # PAB30270 Size 100 uL

Applications



Western Blot

Western Blot analysis with CR1 polyclonal antibody (Cat # PAB30270).

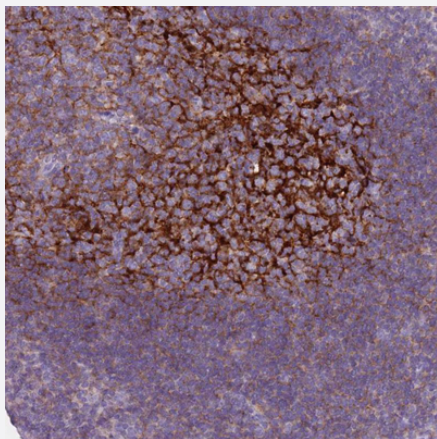
Lane 1: Human cell line RT-4

Lane 2: Human cell line U-251MG sp

Lane 3: Human plasma (IgG/HSA depleted)

Lane 4: Human liver tissue

Lane 5: Human tonsil tissue



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

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human tonsil with CR1 polyclonal antibody (Cat # PAB30270) shows distinct reticular positivity in germinal center.

Specification

Product Description	Rabbit polyclonal antibody raised against partial recombinant human CR1.
Immunogen	Recombinant protein corresponding to amino acids 278-334 of human CR1.
Sequence	VKCQALNKWEPELPSCSRVCQPPPDVLHAERTQRDKDNFSPGQEVFYSCPEGYDLRG
Host	Rabbit
Reactivity	Human

Form	Liquid
Purification	Antigen affinity purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:200 - 1:500) Western Blot (1:250 - 1:500) 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 short term storage. 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 should be handled by trained staff only.

Applications

- Western Blot

Western Blot analysis with CR1 polyclonal antibody (Cat # PAB30270).

Lane 1: Human cell line RT-4

Lane 2: Human cell line U-251MG sp

Lane 3: Human plasma (IgG/HSA depleted)

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Gene Info — CR1

Entrez GeneID	1378
Protein Accession#	P17927
Gene Name	CR1
Gene Alias	C3BR, CD35, KN
Gene Description	complement component (3b/4b) receptor 1 (Knops blood group)
Omim ID	120620 607486 611162

Gene Ontology

[Hyperlink](#)

Gene Summary

This gene is a member of the receptors of complement activation (RCA) family and is located in the 'cluster 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 variants, encoding different isoforms, have been characterized. Additional allele specific isoforms, including a secreted form, have been described but have not been fully characterized. [provided by RefSeq]

Other Designations

C3-binding protein|C3b/C4b receptor|CD35 antigen|Knops blood group antigen|complement component receptor 1|complement receptor 1

Pathway

- [Complement and coagulation cascades](#)
- [Hematopoietic cell lineage](#)

Disease

- [Adhesions](#)
- [Alzheimer Disease](#)
- [Autoimmune Diseases](#)
- [Cardiovascular Diseases](#)
- [Cognition Disorders](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Gallbladder Neoplasms](#)
- [Gallstones](#)
- [Genetic Predisposition to Disease](#)
- [Glomerulonephritis](#)

- [Hepatitis B](#)
- [HIV Infections](#)
- [Immune Complex Diseases](#)
- [Kidney Failure](#)
- [Liver Cirrhosis](#)
- [Lupus Erythematosus](#)
- [Lymphoma](#)
- [Macular Degeneration](#)
- [Maduromycosis](#)
- [Malaria](#)
- [Myocardial Infarction](#)
- [Neuropsychological Tests](#)
- [Pulmonary Fibrosis](#)
- [Sarcoidosis](#)
- [Tobacco Use Disorder](#)
- [Tuberculosis](#)