

Datasheet for ABIN657906  
**anti-C4B antibody (AA 655-684)**[Go to Product page](#)

## 1 Image

## Overview

Quantity:	400 µL
Target:	C4B (C4b)
Binding Specificity:	AA 655-684
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB)

## Product Details

Immunogen:	This C4B antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 655-684 amino acids from the Central region of human C4B.
Clone:	RB33642
Isotype:	Ig Fraction
Predicted Reactivity:	H
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

## Target Details

Target:	C4B (C4b)
Alternative Name:	C4B ( <a href="#">C4b Products</a> )
Background:	This gene encodes the basic form of complement factor 4, part of the classical activation

## Target Details

pathway. The protein is expressed as a single chain precursor which is proteolytically cleaved into a trimer of alpha, beta, and gamma chains prior to secretion. The trimer provides a surface for interaction between the antigen-antibody complex and other complement components. The alpha chain may be cleaved to release C4 anaphylatoxin, a mediator of local inflammation. Deficiency of this protein is associated with systemic lupus erythematosus. This gene localizes to the major histocompatibility complex (MHC) class III region on chromosome 6. Varying haplotypes of this gene cluster exist, such that individuals may have 1, 2, or 3 copies of this gene. In addition, this gene exists as a long form and a short form due to the presence or absence of a 6.4 kb endogenous HERV-K retrovirus in intron 9.

Molecular Weight: 192785

Gene ID: 721

NCBI Accession: [NP\\_001002029](#), [NP\\_001239133](#), [NP\\_009224](#)

UniProt: [P0C0L4](#)

Pathways: [Complement System](#)

## Application Details

Application Notes: WB: 1:2000

Restrictions: For Research Use only

## Handling

Format: Liquid

Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

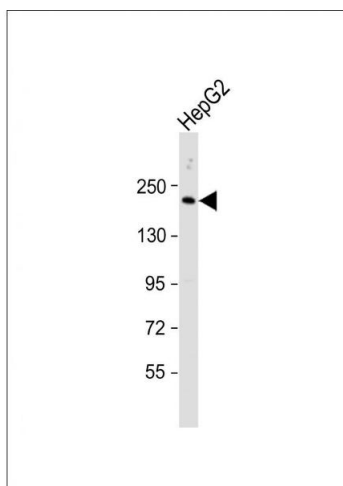
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C,-20 °C

Storage Comment: C4B Antibody (Center) can be refrigerated at 2-8 °C for up to 6 months. For long term storage, place the at -20 °C.

Expiry Date: 6 months



### Western Blotting

**Image 1.** Anti-C4 Antibody (Center) at 1:2000 dilution + HepG2 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 193 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.