

Datasheet for ABIN2789418

**anti-Complement Factor I antibody (N-Term)**[Go to Product page](#)**1** Image

## Overview

Quantity:	100 µL
Target:	Complement Factor I (CFI)
Binding Specificity:	N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Complement Factor I antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Sequence:	WSMREANVAC LDLGFQQGAD TQRRFKLSDL SINSTECLHV HCRGLETSLA
Predicted Reactivity:	Human: 100%
Characteristics:	This is a rabbit polyclonal antibody against CFI. It was validated on Western Blot.
Purification:	Affinity Purified

## Target Details

Target:	Complement Factor I (CFI)
Alternative Name:	CFI ( <a href="#">CFI Products</a> )
Background:	This gene encodes a serine proteinase that is essential for regulating the complement cascade. The encoded preproprotein is cleaved to produce both heavy and light chains, which are linked

## Target Details

by disulfide bonds to form a heterodimeric glycoprotein. This heterodimer can cleave and inactivate the complement components C4b and C3b, and it prevents the assembly of the C3 and C5 convertase enzymes. Defects in this gene cause complement factor I deficiency, an autosomal recessive disease associated with a susceptibility to pyogenic infections. Mutations in this gene have been associated with a predisposition to atypical hemolytic uraemic syndrome, a disease characterized by acute renal failure, microangiopathic hemolytic anemia and thrombocytopenia. Primary glomerulonephritis with immune deposits is another condition associated with mutation of this gene.

Alias Symbols: AHUS3, C3BINA, C3b-INA, FI, IF, KAF

Protein Interaction Partner: GLP1R, CFH, C3,

Protein Size: 583

Molecular Weight: 64 kDa

Gene ID: 3426

NCBI Accession: [NM\\_000204](#), [NP\\_000195](#)

UniProt: [P05156](#)

Pathways: [Complement System](#)

## Application Details

Application Notes: Optimal working dilutions should be determined experimentally by the investigator.

Comment: Antigen size: 583 AA

Restrictions: For Research Use only

## Handling

Format: Liquid

Concentration: Lot specific

Buffer: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.

Preservative: Sodium azide

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

Handling Advice: Avoid repeated freeze-thaw cycles.

Handling

Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images


90 kDa\_\_

65 kDa\_\_

40 kDa\_\_

29 kDa\_\_

22 kDa\_\_



Rabbit Anti-CFI Antibody

Catalog Number: ARP63227

Lot Number: QC34124

Lane: Hela Cell Lysate

Antibody Titration: 1.0µg/ml

Gel Concentration: 12%

Western Blotting

Image 1.