

Datasheet for ABIN2789418

anti-Complement Factor I antibody (N-Term)





Overview

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 (CFI Products)
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

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 immmune 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

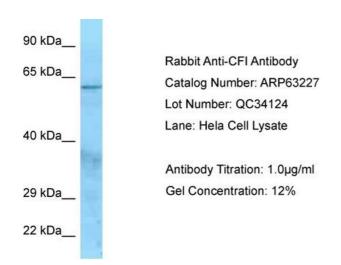
Handling

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



Western Blotting

Image 1.