

Rabbit anti-Human, Mouse CFI Antibody | anti-CFI antibody

CFI Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA280149	Rabbit	Human, Mouse	Immunofluorescence, Western Blot

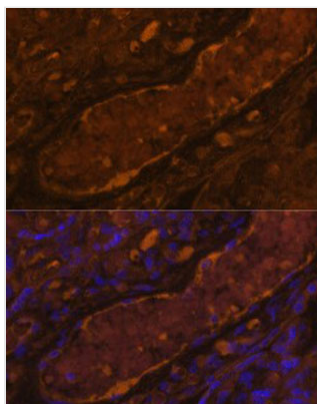
PRODUCT SYNONYMS

CFI; CFI Polyclonal Antibody; CFI;AHUS3;ARMD13;C3BINA;C3b-INA;FI;IF;KAF; anti-CFI antibody

PRODUCT SPECIFICATIONS

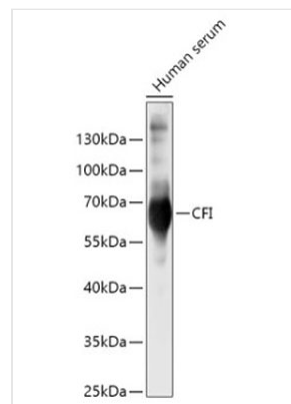
Host	Rabbit
Reactivity	Human, Mouse
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Applicable Applications for anti-CFI antibody	IF (Immunofluorescence), WB (Western Blot)
Immunogen	Recombinant fusion protein containing a sequencecorresponding to amino acids 19-300 of human CFI(NP_000195.2).
Preparation and Storage	Store at -20°C. Avoid freeze / thaw cycles.

IMAGES



IF (Immunofluorescence)

Immunofluorescence analysis of human placenta using CFI antibody (AAA280149) at dilution of 1:100. Blue:DAPI for nuclear staining.



WB (Western Blot)

Western blot analysis of extracts of Human serum, using CFI antibody(AAA280149) at 1:500 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk inTBST. Detection: ECL Basic Kit (RM00020). Exposure time: 5s.

ADDITIONAL INFORMATION

Related Product Information for anti-CFI antibody	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 uremic syndrome, a disease characterized by acute renal failure, microangiopathic hemolytic anemia and thrombocytopenia. Primary glomerulonephritis with immune deposits and age-related macular degeneration are other conditions associated with mutations of this gene.
Product Categories/Family for anti-CFI antibody	Polyclonal

NCBI AND UNIPROT INFORMATION

NCBI GI #	317373341
NCBI GeneID	3426
UniProt Accession #	P05156; O60442
Molecular Weight	Observed MW: 60kDa Calculated MW: 65kDa
NCBI Official Full Name	Complement factor I
NCBI Official Synonym Full Names	complement factor I
NCBI Official Symbol	CFI
NCBI Official Synonym Symbols	FI; IF; KAF; AHUS3; ARMD13; C3BINA; C3b-INA
NCBI Protein Information	complement factor I; C3b-inactivator; C3B/C4B inactivator; complement component I; light chain of factor I; Konglutinogen-activating factor; complement factor I heavy chain; complement control protein factor I
UniProt Protein Name	Complement factor I
UniProt Gene Name	CFI
UniProt Synonym Gene Names	IF
UniProt Entry Name	CFAI_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/rabbit-human-mouse-antibody/cfi/280149>