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Anti-CFI / Complement Factor I Antibody (Internal)

Rabbit Anti Human Polyclonal Antibody
Catalog # ALS17749

Specification

Anti-CFI / Complement Factor I Antibody (Internal) - Product Information

Application	**WB, IHC-P**
Primary Accession	P05156
Predicted	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**65750**

Anti-CFI / Complement Factor I Antibody (Internal) - Additional Information

Gene ID 3426

Alias Symbol **CFI**

Other Names
CFI, AHUS3, C3BINA, C3b-inactivator, C3B/C4B inactivator, Complement component I, Complement component factor i, Factor I, FI, KAF, I factor, I factor (complement), C3b-INA, Complement factor I, Light chain of factor I

Target/Specificity
Human 65 kD protein

Reconstitution & Storage
Antiserum

Precautions
Anti-CFI / Complement Factor I Antibody (Internal) is for research use only and not for use in diagnostic or therapeutic procedures.

Anti-CFI / Complement Factor I Antibody (Internal) - Protein Information

Name CFI

Synonyms IF

Function
Trypsin-like serine protease that plays an essential role in regulating the immune response by controlling all complement pathways. Inhibits these pathways by cleaving three peptide bonds in the alpha- chain of C3b and two bonds in the alpha-chain of C4b thereby inactivating these proteins (PubMed:7360115, PubMed:17320177). Essential cofactors for these reactions include factor H and C4BP in the fluid phase and membrane cofactor protein/CD46 and CR1 on cell surfaces (PubMed:2141838,

PubMed:9605165, PubMed:12055245). The presence of these cofactors on healthy cells allows degradation of deposited C3b by CFI in order to prevent undesired complement activation, while in apoptotic cells or microbes, the absence of such cofactors leads to C3b-mediated complement activation and subsequent opsonization (PubMed:28671664).

Cellular Location
Secreted, extracellular space. Secreted

Tissue Location
Expressed in the liver by hepatocytes (PubMed:6327681). Also present in other cells such as monocytes, fibroblasts or keratinocytes (PubMed:6444659, PubMed:17320177)

Anti-CFI / Complement Factor I Antibody (Internal) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-CFI / Complement Factor I Antibody (Internal) - Images