10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-CFI / Complement Factor I Antibody (Internal)

Rabbit Anti Human Polyclonal Antibody
Catalog # ALS17749

Product Information

Application	WB, IHC-P
Primary Accession	P05156
Predicted	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	65750
Concentration (mg/ml)	1 mg/ml

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.

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:17320177, PubMed:7360115). 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:12055245, PubMed:2141838, PubMed:9605165). 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:17320177, PubMed:6444659)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.