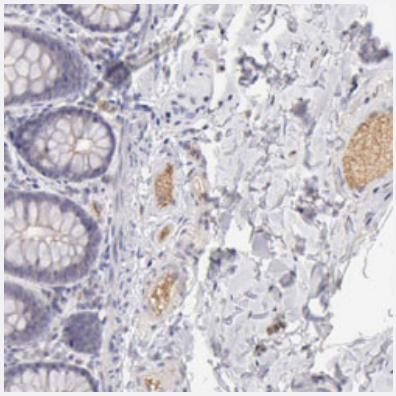
# CFI polyclonal antibody

Catalog # PAB30309 Size 100 uL

## Applications



### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human colon with CFI polyclonal antibody (Cat # PAB30309) shows distinct positivity in plasma at 1:200-1:500 dilution.

## Specification

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| **Product Description** | Rabbit polyclonal antibody raised against partial recombinant human CFI. |
| **Immunogen** | Recombinant protein corresponding to human CFI. |
| **Sequence** | GCWILTAAHCLRASKTHRYQIWTTVVDWIHPDLKRIVIEYVDRIIFHENYNAGTYQNDIALIEMKKDGN KKDCELPRSIPACVPWSPYLFQPNDTCIVSGWGREKDNERVFSLQWGEVKLISNCSKFYGNRFY EKEMECAGTYDG |
| **Host** | Rabbit |
| **Reactivity** | Human |
| **Form** | Liquid |
| **Purification** | Antigen affinity purification |
| **Isotype** | IgG |
| **Recommend Usage** | Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:200-1:500) The optimal working dilution should be determined by the end user. |

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|---|---|
| **Storage Buffer** | In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide). |
| **Storage Instruction** | Store at 4°C. For long term storage store at -20°C.<br>Aliquot to avoid repeated freezing and thawing. |
| **Note** | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only. |

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## Gene Info — CFI

| | |
|---|---|
| **Entrez GeneID** | 3426 |
| **Protein Accession#** | P05156 |
| **Gene Name** | CFI |
| **Gene Alias** | C3B-INA, FI, IF, KAF |
| **Gene Description** | complement factor I |
| **Omim ID** | 217030 |
| **Gene Ontology** | Hyperlink |
| **Gene Summary** | This gene encodes a serine proteinase that is essential for regulating the complement cascade. T he 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 t he complement components C4b and C3b, and it prevents the assembly of the C3 and C5 conver tase enzymes. Defects in this gene cause complement factor I deficiency, an autosomal recessiv e disease associated with a susceptibility to pyogenic infections. Mutations in this gene have bee n associated with a predisposition to atypical hemolytic uraemic syndrome, a disease characteriz ed by acute renal failure, microangiopathic hemolytic anemia and thrombocytopenia. Primary glo merulonephritis with immmune deposits is another condition associated with mutation of this gen e. [provided by RefSeq |
| **Other Designations** | C3B/C4B inactivator\|C3b-inactivator\|I factor (complement)\|Konglutinogen-activating factor\|comple ment component I\|complement control protein factor I\|light chain of factor I |

## Pathway

- Complement and coagulation cascades

## Disease

- Alcoholism
- Genetic Predisposition to Disease
- Hemolytic-Uremic Syndrome
- Macular Degeneration
- Recurrence
- Tobacco Use Disorder