

## Product datasheet for **TA346240**

### Complement C4B (C4B) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-C4B antibody: synthetic peptide directed towards the N terminal of human C4B. Synthetic peptide located within the following region: QTDQPIYNPGQVRVYRVFALDQKMRPSTDTITVMVENSGLRVRKKEYYM
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	33 kDa
Gene Name:	complement component 4B (Chido blood group)
Database Link:	<a href="#">NP_001002029</a> <a href="#">Entrez Gene 721 Human</a> <a href="#">POCOL4</a>



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**Background:**

C4B is the basic form of complement factor 4, part of the classical activation pathway. The protein is expressed as a single chain precursor which is proteolytically cleaved into a trimer of alpha, beta, and gamma chains prior to secretion. The trimer provides a surface for interaction between the antigen-antibody complex and other complement components. The alpha chain may be cleaved to release C4 anaphylatoxin, a mediator of local inflammation. Deficiency of this protein is associated with systemic lupus erythematosus. This gene encodes the basic form of complement factor 4, part of the classical activation pathway. The protein is expressed as a single chain precursor which is proteolytically cleaved into a trimer of alpha, beta, and gamma chains prior to secretion. The trimer provides a surface for interaction between the antigen-antibody complex and other complement components. The alpha chain may be cleaved to release C4 anaphylatoxin, a mediator of local inflammation. Deficiency of this protein is associated with systemic lupus erythematosus. This gene localizes to the major histocompatibility complex (MHC) class III region on chromosome 6. Varying haplotypes of this gene cluster exist, such that individuals may have 1, 2, or 3 copies of this gene. In addition, this gene exists as a long form and a short form due to the presence or absence of a 6.4 kb endogenous HERV-K retrovirus in intron 9. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.

**Synonyms:**

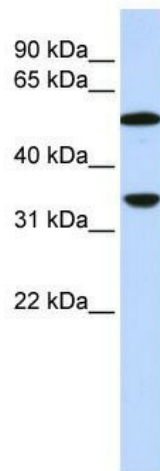
C4B1; C4B2; C4B3; C4B5; C4B12; C4BD; C4B\_2; C4F; CH; CO4; CPAMD3

**Note:**

Immunogen Sequence Homology: Horse: 100%; Human: 100%; Pig: 93%; Rat: 93%; Dog: 92%; Guinea pig: 92%; Mouse: 79%

**Protein Pathways:**

Complement and coagulation cascades, Systemic lupus erythematosus

**Product images:**

WB Suggested Anti-C4B Antibody Titration: 0.2-1 ug/ml; ELISA Titer: 1: 62500; Positive Control: HeLa cell lysate