

## Product datasheet for TA335242

### C1QB 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-C1QB antibody: synthetic peptide directed towards the middle region of human C1QB. Synthetic peptide located within the following region: PGPKGESGDYKATQKIAFSATRTINVPLRRDQTIRFDHVITNMNNNYEPR
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:	27 kDa
Gene Name:	complement component 1, q subcomponent, B chain
Database Link:	<a href="#">NP_000482</a> <a href="#">Entrez Gene 713 Human</a> <a href="#">P02746</a>



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<b>Background:</b>	C1q associates with the proenzymes C1r and C1s to yield C1, the first component of the serum complement system. The collagen-like regions of C1q interact with the Ca <sup>2+</sup> -dependent C1r2C1s2 proenzyme complex, and efficient activation of C1 takes place on interaction of the globular heads of C1q with the Fc regions of IgG or IgM antibody present in immune complexes. This gene encodes a major constituent of the human complement subcomponent C1q. C1q associates with C1r and C1s in order to yield the first component of the serum complement system. Deficiency of C1q has been associated with lupus erythematosus and glomerulonephritis. C1q is composed of 18 polypeptide chains: six A-chains, six B-chains, and six C-chains. Each chain contains a collagen-like region located near the N terminus and a C-terminal globular region. The A-, B-, and C-chains are arranged in the order A-C-B on chromosome 1. This gene encodes the B-chain polypeptide of human complement subcomponent C1q. 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.
<b>Synonyms:</b>	B chain; beta polypeptide; complement component 1; complement component C1q; complement subcomponent C1q chain B; OTTHUMP0000002940; q subcomponent
<b>Note:</b>	Immunogen Sequence Homology: Dog: 100%; Pig: 100%; Human: 100%; Bovine: 100%; Rabbit: 100%; Rat: 93%; Guinea pig: 93%; Horse: 86%; Mouse: 79%
<b>Protein Families:</b>	Secreted Protein
<b>Protein Pathways:</b>	Complement and coagulation cascades, Prion diseases, Systemic lupus erythematosus

**Product images:**

WB Suggested Anti-C1QB Antibody Titration: 0.2-1 ug/ml; ELISA Titer: 1: 62500; Positive Control: Human Stomach