

# Anti-C4 Rabbit Monoclonal Antibody

Catalog # ABO15209

## Product Information

---

|                          |                                                                                                          |
|--------------------------|----------------------------------------------------------------------------------------------------------|
| <b>Application</b>       | WB, IF, ICC                                                                                              |
| <b>Primary Accession</b> | <a href="#">P0C0L4</a>                                                                                   |
| <b>Host</b>              | Rabbit                                                                                                   |
| <b>Isotype</b>           | IgG                                                                                                      |
| <b>Reactivity</b>        | Human                                                                                                    |
| <b>Clonality</b>         | Monoclonal                                                                                               |
| <b>Format</b>            | Liquid                                                                                                   |
| <b>Description</b>       | Anti-C4 Rabbit Monoclonal Antibody . Tested in WB, ICC/IF applications. This antibody reacts with Human. |

## Additional Information

---

|                                        |                                                                                                                                                                                                                                               |
|----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene ID</b>                         | 720;721                                                                                                                                                                                                                                       |
| <b>Other Names</b>                     | Complement C4-A, Acidic complement C4, C3 and PZP-like alpha-2-macroglobulin domain-containing protein 2, Complement C4 beta chain, Complement C4-A alpha chain, C4a anaphylatoxin, C4b-A, C4d-A, Complement C4 gamma chain, C4A, CO4, CPAMD2 |
| <b>Calculated MW</b>                   | 192785                                                                                                                                                                                                                                        |
| <b>Application Details</b>             | WB 1:500-1:2000<br>ICC/IF 1:50-1:200                                                                                                                                                                                                          |
| <b>Source</b>                          | Eukaryota                                                                                                                                                                                                                                     |
| <b>Contents</b>                        | Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.                                                                                                                           |
| <b>Clone Names</b><br><b>Immunogen</b> | Clone: 17C85<br>A synthesized peptide derived from human C4                                                                                                                                                                                   |
| <b>Purification</b>                    | Affinity-chromatography                                                                                                                                                                                                                       |
| <b>Storage</b>                         | Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.                                                                                                    |

## Protein Information

---

|                 |                                                                                                                                                   |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name</b>     | C4A {ECO:0000303   PubMed:6546707, ECO:0000312   HGNC:HGNC:1323}                                                                                  |
| <b>Function</b> | Precursor of non-enzymatic components of the classical, lectin and GZMK complement pathways, which consist in a cascade of proteins that leads to |

phagocytosis and breakdown of pathogens and signaling that strengthens the adaptive immune system.

#### Cellular Location

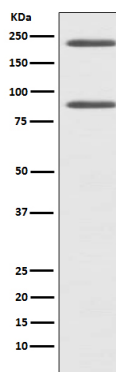
Secreted. Synapse Cell projection, axon. Cell projection, dendrite  
[Complement C4b-A]: Secreted. Cell surface. Note=Covalently associated with the surface of pathogens: the internal thioester bond reacts with carbohydrate antigens on the target surface to form amide or ester bonds.

#### Tissue Location

Complement component C4 is expressed at highest levels in the liver, at moderate levels in the adrenal cortex, adrenal medulla, thyroid gland, and the kidney, and at lowest levels in the heart, ovary, small intestine, thymus, pancreas and spleen (PubMed:11367523). The extra-hepatic sites of expression may be important for the local protection and inflammatory response (PubMed:11367523).

## Images

---



Western blot analysis of C4 expression in HepG2 cell lysate.

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