

C4 Antibody
Rabbit mAb
Catalog # AP91471

Specification

C4 Antibody - Product Information

| | |
|---|------------------------|
| Application | WB, ICC |
| Primary Accession | POCOL4 |
| Clonality | Monoclonal |
| Other Names | |
| Acidic C4; Acidic complement C4; Basic C4; Basic complement C4; C4A; C4A2; C4A3; C4A4; C4A6; C4AD; C4B1; C4B12; C4B2; C4B3; C4BD; C4F; C4S; CPAMD2; CPAMD3; | |
| Isotype | Rabbit IgG |
| Host | Rabbit |
| Calculated MW | 192785 Da |

C4 Antibody - Additional Information

| | |
|------------------------------|---|
| Dilution | WB~~1:1000 ICC~~N/A |
| Purification | Affinity-chromatography |
| Immunogen | A synthesized peptide derived from human C4 |
| Description | Induces the contraction of smooth muscle, increases vascular permeability and causes histamine release from mast cells and basophilic leukocytes. |
| Storage Condition and Buffer | Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle. |

C4 Antibody - Protein Information

Name C4A {ECO:0000303|PubMed:6546707, ECO:0000312|HGNC:HGNC:1323}

Function

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

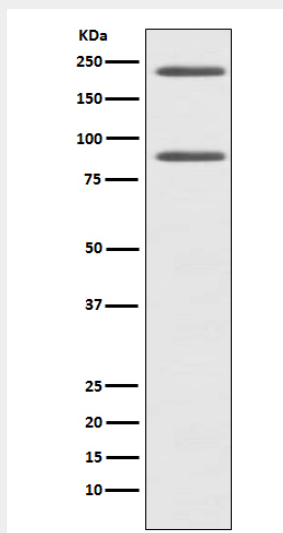
Complement component C4 is expressed at highest levels in the liver, at moderate levels in the adrenal cortex, adrenal medulla, thyroid gland, and the kidney, and at lowest levels in the heart, ovary, small intestine, thymus, pancreas and spleen (PubMed:11367523). The extra-hepatic sites of expression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

C4 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

C4 Antibody - Images



Western blot analysis of C4 expression in HepG2 cell lysate.