

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

Synonyms CO4, CPAMD2

Function

Non-enzymatic component of C3 and C5 convertases and thus essential for the propagation of the classical complement pathway. Covalently binds to immunoglobulins and immune complexes and enhances the solubilization of immune aggregates and the clearance of IC through CR1 on erythrocytes. C4A isotype is responsible for effective binding to form amide bonds with immune aggregates or protein antigens, while C4B isotype catalyzes the transacylation of the thioester carbonyl group to form ester bonds with carbohydrate antigens.

Cellular Location

Secreted. Synapse. Cell projection, axon. Cell projection, dendrite

Tissue Location

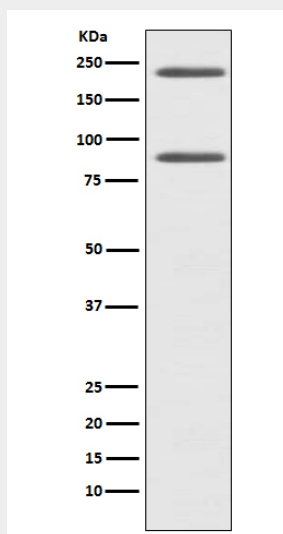
Complement component C4 is expressed at highest levels in the liver, at moderate levels in the adrenal cortex, adrenal medulla, thyroid gland, and the kidney, and at lowest levels in the heart, ovary, small intestine, thymus, pancreas and spleen. The extra- hepatic sites of expression may be important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

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.