

C4 Antibody

Rabbit mAb Catalog # AP91471

Product Information

ApplicationWB, IF, ICCPrimary AccessionPOCOL4ReactivityHumanClonalityMonoclonal

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;

IsotypeRabbit IgGHostRabbitCalculated MW192785

Additional Information

Dilution WB 1:500~1:2000 ICC/IF 1:50~1:200

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.

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

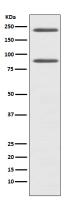
carbohydrate antigens on the target surface to form amide or ester bonds.

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

Images



Western blot analysis of C4 expression in HepG2 cell lysate.

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