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C4 Antibody

Rabbit mAb
Catalog # AP91471

Product Information

Application	WB, IF, ICC
Primary Accession	P0C0L4
Reactivity	Human
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

Additional Information

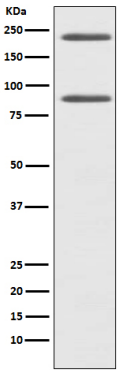
Dilution	WB 1:500~1:2000 ICC/IF 1:50~1:200
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human C4
Description	Induces the contraction of smooth muscle, increases vascular permeability and causes histamine release from mast cells and basophilic leukocytes.
Storage Condition 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

response (PubMed:11367523).

Images



Western blot analysis of C4 expression in HepG2 cell lysate.