

Rabbit C4a Polyclonal Antibody | anti-C4a antibody

C4a Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA75847	Rabbit	Human, Monkey, 80% homology with rat	Western Blot, Immunoprecipitation, Immunohistochemistry, ELISA

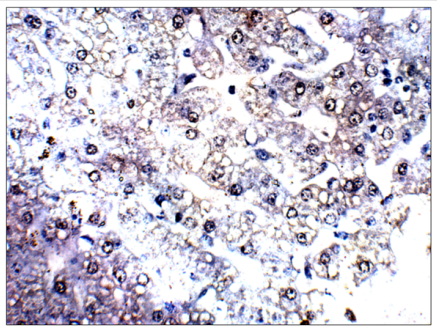
PRODUCT SYNONYMS

C4a; Polyclonal Antibody; C4a Antibody; Acidic C4; Acidic complement C4; Basic C4; Basic complement C4; C3 and PZP like alpha 2 macroglobulin domain containing protein 2; C4 Anaphylatoxin; C4 complement C4d region; C4 propeptide; C4A; CH; Chido form of C4; CO4; Complement C4 A; Complement C4 gamma chain; Complement component 4A; Complement component 4A preproprotein; Complement component 4B (Chido blood group); CPAMD2; CPAMD3; RG; Rodgers Form Of C4 antibody; anti-C4a antibody

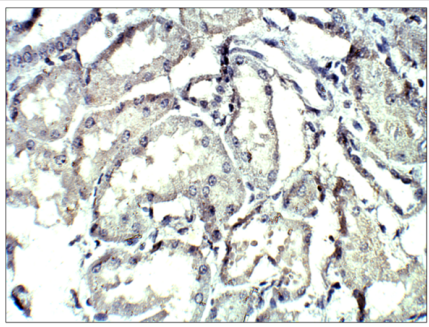
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Monkey, 80% homology with rat
Clonality	Polyclonal
Form/Format	Affinity Purified
Concentration	0.6 ug/ul in antibody stabilization buffer (varies by lot)
Sequence Length	1744
Applicable Applications for anti-C4a antibody	WB (Western Blot), IP (Immunoprecipitation), IHC (Immunohistochemistry), ELISA
Immunogen	Synthetic peptide taken within amino acid region 1220-1270 on human complement C4-A preprotein.
Immunoglobulin	IgG
Expression	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.
Molecular Function	Complement component C1q binding; Endopeptidase inhibitor activity
Structure	Contains 1 anaphylatoxin-like domain. Contains 1 NTR domain.
Subcellular Location	Secreted
Preparation and Storage	-20• degree C for long term storage

IMAGES



Baboon Kidney- C4a
Primary Antibody: 1:100 dilution in IHC Blocking Buffer.
DAB (brown) staining and Hematoxylin QS (blue) counterstain.
40X magnification on Leica DM4000. FFPE section.



Baboon Liver- C4a
Primary Antibody: 1:100 dilution in IHC Blocking Buffer.
DAB (brown) staining and Hematoxylin QS (blue) counterstain.
40X magnification on Leica DM4000. FFPE section.

IHC (Immunohistochemistry)

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ADDITIONAL INFORMATION

Related Product Information for anti-C4a antibody	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. Derived from proteolytic degradation of complement C4, C4a anaphylatoxin is a mediator of local inflammatory process. It induces the contraction of smooth muscle, increases vascular permeability and causes histamine release from mast cells and basophilic leukocytes.
Product Categories/Family for anti-C4a antibody	Primary Antibodies; Immunology; Innate Immunity; C4a Antibody

NCBI AND UNIPROT INFORMATION

NCBI GI #	476007827
NCBI GeneID	721
UniProt Accession #	P0C0L4; P01028; P78445; Q13160; Q13906; A6H8M8; A6NHJ5; A7E2V2; B0QZR6; B0V2C8; B2RUT6; B7ZVZ6; P0C0L5
Molecular Weight	187,704 Da
NCBI Official Full Name	Complement C4-A
NCBI Official Synonym Full Names	complement component 4B (Chido blood group)
NCBI Official Symbol	C4B
NCBI Official Synonym Symbols	CH; C4F; CO4; C4B1; C4B2; C4B3; C4B5; C4BD; C4B12; C4B_2; CPAMD3
NCBI Protein Information	complement C4-B
UniProt Protein Name	Complement C4-A
UniProt Gene Name	C4A
UniProt Synonym Gene Names	CO4; CPAMD2
UniProt Entry Name	CO4A_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.