

Anti-Complement C4a Antibody (aa680-756)
Rabbit Anti Human Polyclonal Antibody
Catalog # ALS17343**Specification**

Anti-Complement C4a Antibody (aa680-756) - Product Information

Application	WB, IHC-P, E
Primary Accession	POCOL4
Predicted	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG

Anti-Complement C4a Antibody (aa680-756) - Additional Information**Gene ID** 720;721**Alias Symbol** C4A**Other Names**

C4A, C4S, C4A anaphylatoxin, C4A2, C4A3, Complement C4-A, Complement C4A, Complement component 4A, CPAMD2, CO4, Acidic C4, Acidic complement C4, Rodgers form of C4, C4, C4A4, C4A6, C4AD, RG

Target/Specificity

Human Complement C4a

Reconstitution & Storage

PBS, pH 7.4, 0.02% sodium azide, 50% glycerol. Store frozen product at or below -20°C. Thawed product may be stored for 2-4 weeks at 4°C. For optimal storage, aliquot to smaller portions and store at -20°C to -70°C. Avoid repeated freeze/thaw cycles.

Precautions

Anti-Complement C4a Antibody (aa680-756) is for research use only and not for use in diagnostic or therapeutic procedures.

Anti-Complement C4a Antibody (aa680-756) - 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.

Volume

Array

Anti-Complement C4a Antibody (aa680-756) - 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](#)

Anti-Complement C4a Antibody (aa680-756) - Images