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Anti-Complement C4a Antibody (aa680-756)

Rabbit Anti Human Polyclonal Antibody
Catalog # ALS17343

Product Information

Application	WB, IHC-P, E
Primary Accession	P0C0L4
Predicted	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	192785
Concentration (mg/ml)	0.5 mg/ml

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.

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).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.