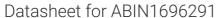
antibodies -online.com





anti-Complement C4 antibody (AA 21-120) (AbBy Fluor® 555)



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Quantity:	100 μL
Target:	Complement C4 (C4)
Binding Specificity:	AA 21-120
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Complement C4 antibody is conjugated to AbBy Fluor® 555
Application:	Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunofluorescence (Cultured Cells) (IF (cc))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human Complement C4	
Isotype:	IgG	
Predicted Reactivity:	Human	
Purification:	Purified by Protein A.	

Target Details

Target:	Complement C4 (C4)
Alternative Name:	C4a+C4b (C4 Products)
Background:	Synonyms: C4, RG, C4S, C04, C4A2, C4A3, C4A4, C4A6, C4AD, CPAMD2, CH, C4F, C4B1, C4B2,

	C4B3, C4B5, C4BD, C4B12, C4B_2, CPAMD3, Complement C4-A, Acidic complement C4, C3 and
	PZP-like alpha-2-macroglobulin domain-containing protein 2, C4A
	Background: 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.
Gene ID:	720, 721
UniProt:	P0C0L4
Pathways:	Complement System
Application Details	
Application Notes:	IF(IHC-P) 1:50-200
	IF(IHC-F) 1:50-200
	IF(ICC) 1:50-200
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	1 μg/μL
Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and
	50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be
	handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

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Expiry Date:

12 months