





anti-Complement C3b antibody (AA 585-635) (AbBy Fluor® 750)



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Quantity:	100 μL
Target:	Complement C3b (C3b)
Binding Specificity:	AA 585-635
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Complement C3b antibody is conjugated to AbBy Fluor® 750
Application:	Western Blotting (WB)

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human Complement C3 beta chain	
Isotype:	IgG	
Specificity:	This antibody could recognize C3-beta-c	
Cross-Reactivity:	Human, Mouse	
Predicted Reactivity:	Rat,Dog,Cow,Pig,Horse,Guinea Pig	
Purification:	Purified by Protein A.	

Target Details

Target:	Complement C3b (C3b)
Alternative Name:	Complement C3 beta chain (C3b Products)

Target Details

Background:

Synonyms: ASP, C3a, C3b, AHUS5, ARMD9, CPAMD1, HEL-S-62p, Complement C3, C3 and PZPlike alpha-2-macroglobulin domain-containing protein 1, C3, CO3_HUMAN Background: C3 plays a central role in the activation of the complement system. Its processing by C3 convertase is the central reaction in both classical and alternative complement pathways. After activation C3b can bind covalently, via its reactive thioester, to cell surface carbohydrates or immune aggregates. Derived from proteolytic degradation of complement C3, C3a anaphylatoxin is a mediator of local inflammatory process. In chronic inflammation, acts as a chemoattractant for neutrophils (By similarity). It induces the contraction of smooth muscle, increases vascular permeability and causes histamine release from mast cells and basophilic leukocytes. C3-beta-c: Acts as a chemoattractant for neutrophils in chronic inflammation. Acylation stimulating protein: adipogenic hormone that stimulates triglyceride (TG) synthesis and glucose transport in adipocytes, regulating fat storage and playing a role in postprandial TG clearance. Appears to stimulate TG synthesis via activation of the PLC, MAPK and AKT signaling pathways. Ligand for C5AR2. Promotes the phosphorylation, ARRB2mediated internalization and recycling of C5AR2 (PubMed:8376604, PubMed:2909530, PubMed:9059512, PubMed:10432298, PubMed:15833747, PubMed:16333141, PubMed:19615750).

Gene ID:

718

UniProt:

P01024

Pathways:

Complement System, Regulation of Leukocyte Mediated Immunity, Positive Regulation of Immune Effector Process, Regulation of G-Protein Coupled Receptor Protein Signaling

Application Details

Application Notes: IF(IHC-P) 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.
Storage:	-20 °C

Handling

Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months