

Anti-C4d antibody ab36075

★★★★★ [5 Abreviews](#) [6 References](#) [画像数 2](#)

製品の概要

製品名	Anti-C4d antibody
製品の詳細	Rabbit polyclonal to C4d
由来種	Rabbit
特異性	Recognizes C4d-A and C4d-B.
アプリケーション	適用あり: IHC-P
種交差性	交差種: Human
免疫原	Synthetic peptide corresponding to Human C4d aa 1223-1237 (C terminal) conjugated to keyhole limpet haemocyanin. Region 100% conserved in C4d-B (Uniprot: P0C0L5) Sequence: ETGDNLYWGSVTGSQ

Database link: [P0C0L4](#)

 [Run BLAST with](#)

 [Run BLAST with](#)

特記事項

The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.

If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
バッファー	pH: 7.20 Constituents: 99% PBS, 0.1% Proclin 300
精製度	Protein G purified
ポリ/モノ	ポリクローナル
アイソタイプ	IgG

アプリケーション

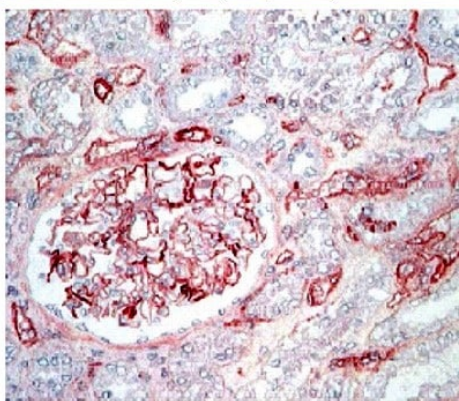
The Abpromise guarantee **Abpromise保証は、**次のテスト済みアプリケーションにおけるab36075の使用に適用されます
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご確認ください。

アプリケーション	Abreviews	特記事項
IHC-P	★★★★★ (2)	1/20 - 1/80. Antigen retrieval with a citrate buffer system (or equivalent) is recommended.

ターゲット情報

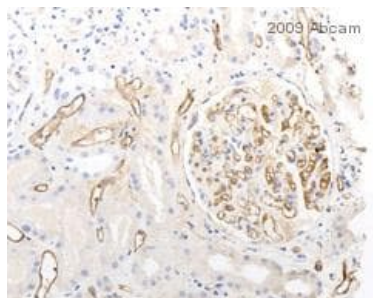
機能	<p>C4 plays a central role in the activation of the classical pathway of the complement system. It is processed by activated C1 which removes from the alpha chain the C4a anaphylatoxin. The remaining alpha chain fragment C4b is the major activation product and is an essential subunit of the C3 convertase (C4b2a) and the C5 convertase (C3bC4b2a) enzymes of the classical complement pathway.</p> <p>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.</p>
関連疾患	<p>Defects in C4A are the cause of complement component 4A deficiency (C4AD) [MIM:120810]. A rare defect of the complement classical pathway associated with the development of autoimmune disorders, mainly systemic lupus with or without associated glomerulonephritis.</p>
配列類似性	<p>Contains 1 anaphylatoxin-like domain.</p> <p>Contains 1 NTR domain.</p>
翻訳後修飾	<p>Prior to secretion, the single-chain precursor is enzymatically cleaved to yield the non-identical chains (alpha, beta and gamma). During activation, the alpha chain is cleaved by C1 into C4a and C4b, and C4b stays linked to the beta and gamma chains. Further degradation of C4b by C1 into the inactive fragments C4c and C4d blocks the generation of C3 convertase.</p> <p>N- and O-glycosylated. O-glycosylated with a core 1 or possibly core 8 glycan.</p>
細胞内局在	<p>Secreted.</p>

画像



Immunohistochemical analysis of C4d expression in paraffin embedded formalin fixed human glomerular mesangial tissue, using 1/40 ab36075. Staining developed using high sensitivity Avidin/Biotin detection system.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-C4d antibody (ab36075)



Ab36075 staining C4d in Human kidney tissue sections by Immunohistochemistry (IHC-P- paraformaldehyde-fixed, paraffin embedded sections). Tissue was fixed with formaldehyde and heat mediated antigen retrieval was performed at 100°C with citrate for 20 minutes. Primary antibody was incubated at 1/80 dilution for 20 minutes at 25°C. A HRP conjugated anti-mouse IgG was used as a secondary antibody.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-C4d antibody (ab36075)

This image is courtesy of an Abreview submitted by Ronald Houston.

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