

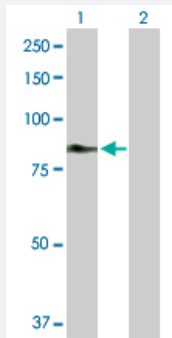
MaxPab®

C2 purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00000717-D01P

Size 100 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of C2 expression in transfected 293T cell line ([H00000717-T03](#)) by C2 MaxPab polyclonal antibody.

Lane 1: C2 transfected lysate(83.30 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human C2 protein.
Immunogen	C2 (NP_000054.2, 1 a.a. ~ 752 a.a) full-length human protein.
Sequence	MGPLMVLFCLFLYPGLADSAPSCPQNVNISGGTFTLSHGWA PGSLTYSCPQGLYSPASRLCK SSGQWQTPGATRSLKAVCKPVRCPAPVSFENGIYTPRLGSYPVGGNVSFECEDGFILRGSPVR QCRPNGMW DGETAVCDNGAGHCPNPGISLGAVRTGFRFGHGDKVRYRCSSNLVLTGSSEREC QQNGVWSGTEPICRQPYSYDFPEDVAPALGTSFSHMLGATNPTQKTKE SLGRKIQIRSGHLNLY LLDSCSQSVSENDFLIFKESASLMVDRIFSFEINVSVAITFASEPKVLM SVLNDNSRDMTEVISSLE NANYKDHENG TGTNTYAALNSVYLM MNQMRLLGMETMAWQEIRHAILLTDGKSNMGGSPKTAV DHIREILNINQKRNDYLDIYAIGVGKLDVDWRELNELGSKKDGERHAFILQDTKALHQVFEHMLDVS KLTD TICGVGNMSANASDQERTPWHVTIKPKSQETCRGALISDQWVLTAAHCFRDGNDHSLWRV NVGDPKSQWGKEFLIEKAVISPGFDVF AKKNQGILEFYGDDIALKLAQKVKMSTHARPICLPCTM EANLALRRPQGSTCRDHENELLNKQSVPAHFVALNGSKLNINLKMGEVWTSCAEVVSQEKTMFP NLTDVREV VTDQFLCSGTQEDESPCKGESGGAVFLERRFRFFQVGLVSWGLYNPCLGSADKNS RKRAPRSKVPPPRDFHINLFRMQPWLRQHLGDVLNFLPL
Host	Rabbit
Reactivity	Human
Quality Control Testing	Antibody reactive against mammalian transfected lysate.

Storage Buffer

In 1x PBS, pH 7.4

Storage Instruction

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

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[Protocol Download](#)

Gene Info — C2

Entrez GeneID[717](#)**GeneBank Accession#**[NM_000063.3](#)**Protein Accession#**[NP_000054.2](#)**Gene Name**

C2

Gene Alias

CO2, DKFZp779M0311

Gene Description

complement component 2

Omim ID[217000 603075](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

Component C2 is a serum glycoprotein that functions as part of the classical pathway of the complement system. Activated C1 cleaves C2 into C2a and C2b. The serine proteinase C2a then combines with complement factor 4b to create the C3 or C5 convertase. Deficiency of C2 has been reported to associated with certain autoimmune diseases and SNPs in this gene have been associated with altered susceptibility to age-related macular degeneration. This gene localizes within the class III region of the MHC on the short arm of chromosome 6. Alternative splicing results in multiple transcript variants encoding distinct isoforms. Additional transcript variants have been described in publications but their full-length sequence has not been determined

Other Designations

C3/C5 convertase|OTTHUMP00000029277|OTTHUMP00000062690|complement C2|complement component C2

Pathway

- [Complement and coagulation cascades](#)
- [Systemic lupus erythematosus](#)

Disease

- [Atherosclerosis](#)
- [Autoimmune Diseases](#)
- [Birth Weight](#)
- [Calcinosis](#)
- [Cardiovascular Diseases](#)
- [Choroid Diseases](#)
- [Choroidal Neovascularization](#)
- [Coronary Aneurysm](#)
- [Coronary Artery Disease](#)
- [Coronary Disease](#)
- [Cross Infection](#)
- [Diabetes Mellitus](#)
- [Disease Models](#)
- [Disease Progression](#)
- [Diseases in Twins](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Geographic Atrophy](#)
- [Glioblastoma](#)
- [Glioma](#)

- [HIV Infections](#)
- [Inflammatory Bowel Diseases](#)
- [Leukemia](#)
- [Lupus Erythematosus](#)
- [Lymphoma](#)
- [Macular Degeneration](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)
- [Mucocutaneous Lymph Node Syndrome](#)
- [Peripheral Vascular Diseases](#)
- [Pneumonia](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)
- [Retinal Diseases](#)
- [Retinal Drusen](#)
- [Vision](#)
- [Wet Macular Degeneration](#)
- [Wounds and Injuries](#)