

DNAxPAb

Hard-to-Find
Antibody

C2 DNAxPab

Catalog # H00000717-W01P

Size 200 ug

Specification

Product Description Rabbit polyclonal antibody raised against a full-length human C2 DNA using DNAx™ Immune technology.

Technology [DNAx™ Immune](#)

Immunogen Full-length human DNA

Sequence MGPLMVLFCLLFLYPGLADSAPSCPQNVNISGGTFTLSHGWAPGSLLTYSCPQGLYPSPASRLCK
SSGQWQTPGATRSLKAVCKPVRCPAPVSFENGIYTPRLGSYPVGGNVSFECEDGFILRGSPVR
QCRPNGMWDGETAVCDNGAGHCPNPGISLGAVRTGFRFGHGDKVRYRCSSNLVLTGSSEREC
QNGVWSGTEPICRQPYSYDFPEDVAPALGTSFSHMLGATNPTQKTKESLGRKIQRSGHNLNY
LLDSCSQSVSENDFLIFKESASLMVDRIFSFEINVSVAITFASEPKVLMMSVLNDNSRDMTEVISSLE
NANYKD HENGTGTNTYAALNSVYLMMNQMRLLGMETMAWQEIRHAILLTDGKSNMGGSPKTAV
DHIREILNINQKRNDYLDIYAIGVGKLDVDWRELNELGSKKDGERHAFILQDTKALHQVFEHMLDVS
KLTDTCGVGNMSANASDQERTPWVHTIKPKSQETCRGALISDQWVL TAAHCFRDGNDHSLWRV
NVGDPKSQWGKEFLIEKAVISPGFDVFAKKNQGILEFYGDDIALLKLAQVKMSTHARPICLPCTM
EANLALRRPQGSTCRDHENELLNKQSVPAHFVALNGSKLNINLKMGEVWTSCAEVVSQEKTMFP
NLTDVREVVTDDQFLCSGTQEDESPCKGESGGAVFLERRFRFFQVGLVSWGLYNPCLGSADKNS
RKRAPRSKVPPPRDFHINLFRMQPWLRQHLGDVLNFLPL

Host Rabbit

Reactivity Human

Purification Protein A

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.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)

- Flow Cytometry (Transfected cell)

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](#)