

C2 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP10662a

Specification

C2 Antibody (N-term) - Product Information

Application WB,E
Primary Accession P06681
Other Accession NP_000054

Reactivity Human, Hamster

Host Rabbit
Clonality Polyclonal
Isotype Rabbit IgG
Calculated MW 83268
Antigen Region 147-176

C2 Antibody (N-term) - Additional Information

Gene ID 717

Other Names

Complement C2, C3/C5 convertase, Complement C2b fragment, Complement C2a fragment, C2

Target/Specificity

This C2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 147-176 amino acids from the N-terminal region of human C2.

Dilution

WB~~1:1000

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

C2 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

C2 Antibody (N-term) - Protein Information

Name C2

Function Component C2 which is part of the classical pathway of the complement system is cleaved by activated factor C1 into two fragments: C2b and C2a. C2a, a serine protease, then



combines with complement factor C4b to generate the C3 or C5 convertase.

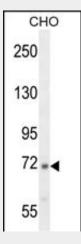
Cellular Location Secreted.

C2 Antibody (N-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

C2 Antibody (N-term) - Images

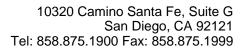


C2 Antibody (N-term) (Cat. #AP10662a) western blot analysis in CHO cell line lysates (35ug/lane). This demonstrates the C2 antibody detected the C2 protein (arrow).

C2 Antibody (N-term) - Background

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.

C2 Antibody (N-term) - References





Hu, M., et al. Pharmacogenet. Genomics 20(10):634-637(2010) Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010) Liu, X., et al. Retina (Philadelphia, Pa.) 30(8):1177-1184(2010) Han, S., et al. Hum. Immunol. 71(7):727-730(2010) Ishii, Y., et al. J. Immunol. 151(1):170-174(1993)