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C2 Antibody (N-term) Blocking peptide

Synthetic peptide
Catalog # BP10662a

Specification

C2 Antibody (N-term) Blocking peptide - Product Information

Primary Accession P06681

C2 Antibody (N-term) Blocking peptide - Additional Information

Gene ID 717

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

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

C2 Antibody (N-term) Blocking peptide - 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) Blocking peptide - Protocols

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

- Blocking Peptides

C2 Antibody (N-term) Blocking peptide - Images

C2 Antibody (N-term) Blocking peptide - Background

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Component C2 is a serum glycoprotein that functions aspart of the classical pathway of the complement system. ActivatedC1 cleaves C2 into C2a and C2b. The serine proteinase C2a thencombines with complement factor 4b to create the C3 or C5convertase. Deficiency of C2 has been reported to associated withcertain autoimmune diseases and SNPs in this gene have beenassociated with altered susceptibility to age-related maculardegeneration. This gene localizes within the class III region ofthe MHC on the short arm of chromosome 6. Alternative splicingresults in multiple transcript variants encoding distinct isoforms.Additional transcript variants have been described in publicationsbut their full-length sequence has not been determined.

C2 Antibody (N-term) Blocking peptide - 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)