

Rabbit C2 Polyclonal Antibody | anti-C2 antibody

C2 Antibody (N-term)

CATALOG # AAA287217	HOST Rabbit	REACTIVITY Human, hamster	APPLICATIONS ELISA, Western Blot
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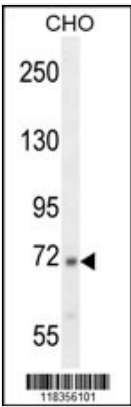
PRODUCT SYNONYMS

C2; Polyclonal Antibody; C2 Antibody (N-term); Complement C2; C3/C5 convertase; Complement C2b fragment; Complement C2a fragment; anti-C2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, hamster
Clonality	Polyclonal
Isotype	Rabbit Ig
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.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/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.
Concentration	Vial Concentration: 0.26 (varies by lot)
Sequence Positions	147-176
Sequence Length	620
Applicable Applications for anti-C2 antibody	ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
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.
Preparation and Storage	Maintain refrigerated at 2-8°C. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

IMAGES



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

ADDITIONAL INFORMATION

Related Product Information for anti-C2 antibody	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.
Product Categories/Family for anti-C2 antibody	Immunology
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)

NCBI AND UNIPROT INFORMATION

NCBI GI #	14550407
NCBI GeneID	717
NCBI Accession #	NP_000054.2; NP_001139375.1; NP_001171534.1
NCBI GenBank Nucleotide #	NM_000063.5
UniProt Accession #	P06681; O19694; Q13904; B4DPF3; B4DV20; E9PFN7
Molecular Weight	Calculated MW: 83268
NCBI Official Full Name	complement C2 isoform 1 preproprotein
NCBI Official Synonym Full Names	complement component 2
NCBI Official Symbol	C2
NCBI Official Synonym Symbols	CO2; ARMD14

NCBI Protein Information	complement C2
UniProt Protein Name	Complement C2
UniProt Gene Name	C2
UniProt Entry Name	CO2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/c2-antibody-western-blot-elisa/287217>