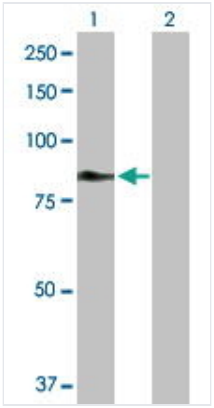
C2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	C2, Polyclonal Antibody
Full Product Name	C2 (Complement C2, C3/C5 Convertase) APC
Product Gene Name	anti-C2 antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Allophycocyanin (APC).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human C2.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amo
Molecular Weight	69,444 Da
OMIM	217000
3D Structure	ModBase 3D Structure for P06681
Immunogen	Full length recombinant protein corresponding to aa1-752 of human C2.
Immunogen Sequence	MGPLMVLFCLLFLYPGLADSAPSCPQNVNISGGTFTLSHGWAPGSLLTYSCPQGLYPSPASRLCKSSGQWQTPGATRSLSKAVCKPVRCPAPVSFENGI
Conjugate	APC
Note	Preservative Free
Product Categories/Family for anti-C2 antibody	Antibodies; Complement
Applications Tested/Suitable for anti-C2 antibody	Western Blot (WB)
Application Notes for anti-C2 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-C2 antibody	MBS6371663 is an antibody targeting C2. Also known as C2 (Complement C2, C3/C5 Convertase) APC. Reactive in Human. Host: Rabbit.
Other Notes	Small volumes of anti-C2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary



Western Blot (WB) of anti-C2 antibody
Western Blot analysis of C2 expression in transfected 293T cell line by C2 polyclonal antibody. Lane 1: C2 transfected lysate (83.3kD). Lane 2: Non-transfected lysate.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for C2. It may not necessarily be applicable to this product.

NCBI GI #	14550407
NCBI GeneID	717
NCBI Accession #	NP_000054.2
UniProt Primary Accession #	P06681
UniProt Secondary Accession #	O19694; Q13904; B4DPF3; B4DV20; E9PFN7
UniProt Related Accession #	P06681
GenBank Nucleotide #	NM_000063.3
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
UniProt Protein Name	Complement C2
UniProt Synonym Protein Names	C3/C5 convertase
Protein Family	Chalcone synthase
UniProt Gene Name	C2
UniProt Entry Name	CO2_HUMAN
NCBI Protein Information	complement C2
NCBI Summary for C2	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.[provided by RefSeq, Mar 2009]
UniProt Comments for C2	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.

Research Articles on C2	**1.** our data indicate that C2 rs547154 polymorphism plays a protective role in the development of PCV.
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