

Complement C3 Polyclonal Antibody | anti-C3 antibody

Complement C3 (beta chain) Antibody

CATALOG # AAA111113	APPLICATIONS Western Blot
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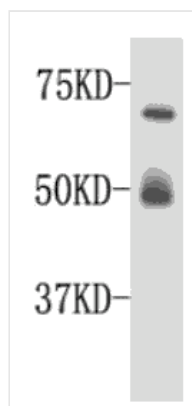
PRODUCT SYNONYMS

Complement C3; Polyclonal Antibody; Complement C3 (beta chain) Antibody; anti-C3 antibody

PRODUCT SPECIFICATIONS

Clonality	Polyclonal
Isotype	IgG
Specificity	This antibody is produced by immunizing rabbits with a synthetic peptide (KLH-coupled) corresponding to Complement C3(beta chain).
Purity/Purification	Immunogen affinity purified
Form/Format	Liquid; 1*TBS (pH7.4), 0.5%BSA, 25% Glycerol.
Concentration	0.46mg/ml (varies by lot)
Sequence Length	1663
Applicable Applications for anti-C3 antibody	WB (Western Blot)
Cross-Reactivity	Human
Preservative	0.05% Sodium Azide.
Cellular Localization	Secretory Protein
Positive Control	Human Plasma
Preparation and Storage	Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze/thaw cycles.

IMAGES



WB (Western Blot)

Western blot analysis on human serum using anti-complement C3 polyclonal antibody. Note: 50kD band is caused by nonspecific reaction (goat anti-rabbit to human heavy chain).

ADDITIONAL INFORMATION

Related Product Information for anti-C3 antibody	Human Complement C3 (C3) is synthesized as a single-chain pro-molecule (185 kDa) that suffers several posttranslational modifications. Before being a mature protein, C3 is split into beta-chain (70 kDa) and alpha chain (115 kDa) and forms a rare internal thioester bond. C3 plays a central role in the activation of the complement system. Its processing by C3 convertase is the central reaction in both classical and alternative complement pathways. After activation C3b can bind covalently, via its reactive thioester, to cell surface carbohydrates or immune aggregates.
References	Enzymatic Reactions and Detection of C3 Cleavage Fragments . Claudia Kemper and Martin Kolev (2014)

NCBI AND UNIPROT INFORMATION

NCBI GI #	115298678
NCBI GeneID	718
NCBI Accession #	NP_000055.2
NCBI GenBank Nucleotide #	NM_000064.3
UniProt Accession #	P01024 ; A7E236
Molecular Weight	70kDa
NCBI Official Full Name	complement C3 preproprotein
NCBI Official Synonym Full Names	complement C3
NCBI Official Symbol	C3
NCBI Official Synonym Symbols	ASP; C3a; C3b; AHUS5; ARMD9; CPAMD1; HEL-S-62p
NCBI Protein Information	complement C3
UniProt Protein Name	Complement C3
UniProt Gene Name	C3
UniProt Synonym Gene Names	CPAMD1; C3bc; ASP

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://stage.aaabiotech.com/polyclonal/complement-c3-antibody-western-blot-elisa/111113>