

Rabbit C3 Polyclonal Antibody | anti-C3 antibody

C3

CATALOG # AAA279700	HOST Rabbit	APPLICATIONS Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

C3; Polyclonal Antibody; AHUS5;ARMD9;ASP;C3a;C3b;CPAMD1;HEL-S-62p; anti-C3 antibody

PRODUCT SPECIFICATIONS

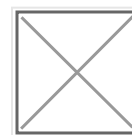
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Sequence Length	1663
Applicable Applications for anti-C3 antibody	ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 1364-1663 of human C3 (NP_000055.2).
Species Reactivity / Cross-Reactivity	Human, Mouse, Rat
Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH 7.3.
Calculated MW	187 kDa
Observed MW	170 kDa
Preparation and Storage	Store at -20°C. Avoid freeze/thaw cycles.

IMAGES



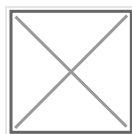
IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded rat kidney using Complement C3 antibody (AAA279700) at dilution of 1:200 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded rat liver using Complement C3 antibody (AAA279700) at dilution of 1:200 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using Complement C3 antibody (AAA279700) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 1s.

ADDITIONAL INFORMATION

Related Product Information for anti-C3 antibody	Complement component C3 plays a central role in the activation of complement system. Its activation is required for both classical and alternative complement activation pathways. The encoded preproprotein is proteolytically processed to generate alpha and beta subunits that form the mature protein, which is then further processed to generate numerous peptide products. The C3a peptide, also known as the C3a anaphylatoxin, modulates inflammation and possesses antimicrobial activity. Mutations in this gene are associated with atypical hemolytic uremic syndrome and age-related macular degeneration in human patients.
Product Categories/Family for anti-C3 antibody	Polyclonal

NCBI AND UNIPROT INFORMATION

NCBI GI #	119370332
NCBI GeneID	718
UniProt Accession #	P01024; A7E236
Molecular Weight	Observed MW: 187KDa/115KDa Calculated MW: 187kDa
NCBI Official Full Name	Complement C3
NCBI Official Synonym Full Names	complement component 3
NCBI Official Symbol	C3
NCBI Official Synonym Symbols	ASP; C3a; C3b; AHUS5; ARMD9; CPAMD1; HEL-S-62p
NCBI Protein Information	complement C3; prepro-C3; C3a anaphylatoxin; complement component C3; complement component C3a; complement component C3b; acylation-stimulating protein cleavage product; epididymis secretory sperm binding protein Li 62p; C3 and PZP-like alpha-2-macroglobulin domain-containing protein 1
UniProt Protein Name	Complement C3
UniProt Gene Name	C3
UniProt Synonym Gene Names	CPAMD1; C3bc; ASP
UniProt Entry Name	CO3_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.