

A6879

Leader in Biomolecular Solutions for Life Science



Complement C3 Rabbit pAb

Catalog No.: A6879

3 Publications

Basic Information

Observed MW

187kDa/115kDa

Calculated MW

187kDa

Category

Polyclonal Antibody

Applications

WB, IHC-P, IF/ICC, ELISA

Cross-Reactivity

Human, Mouse, Rat

Background

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.

Recommended Dilutions

WB	1:500 - 1:1000
IHC-P	1:50 - 1:100
IF/ICC	1:50 - 1:100

Immunogen Information

Gene ID

718

Swiss Prot

P01024

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 1364-1663 of human Complement C3 (NP_000055.2).

Synonyms

ASP; C3a; C3b; AHUS5; ARMD9; CPAMD1; HEL-S-62p; Complement C3

Contact



www.abclonal.com

Product Information

Source

Rabbit

Isotype

IgG

Purification

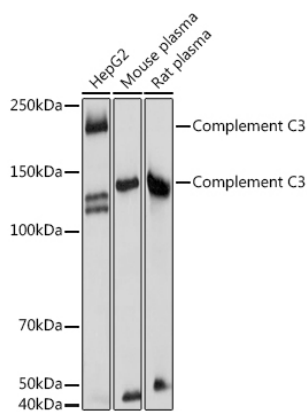
Affinity purification

Storage

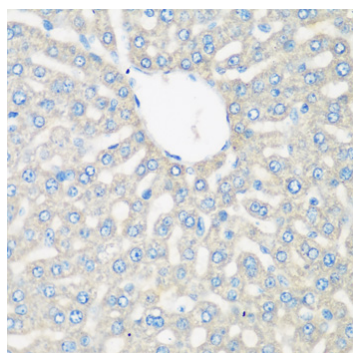
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.01% thimerosal, 50% glycerol, pH7.3.

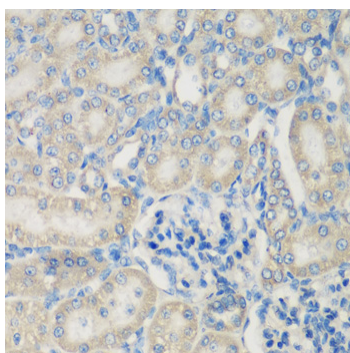
Validation Data



Western blot analysis of various lysates using Complement C3 Rabbit pAb (A6879) at 1:1000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (A5014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 1s.



Immunohistochemistry analysis of Complement C3 in paraffin-embedded rat liver using Complement C3 Rabbit pAb (A6879) 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.



Immunohistochemistry analysis of Complement C3 in paraffin-embedded rat kidney using Complement C3 Rabbit pAb (A6879) 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.