

A13283SP

Leader in Biomolecular Solutions for Life Science



Complement C3 Rabbit pAb

Catalog No.: A13283SP

11 Publications

Basic Information

Observed MW

187 kDa

Calculated MW

187 kDa/61 kDa

Category

Polyclonal Antibody

Applications

WB, ELISA, IF-P

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 1:1000 - 1:3000

IF-P 1:200 - 1:400

ELISA Recommended starting concentration is 1 µg/mL.

Please optimize the concentration based on your specific assay requirements. For high-ratio antibody dilutions ($\geq 1:10000$), a sequential dilution method is strongly recommended to ensure measurement accuracy.

Immunogen Information

Gene ID

718/12266

Swiss Prot

P01024/P01027

Immunogen

This information is considered to be commercially sensitive.

Synonyms

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

Product Information

Source

Rabbit

Isotype

IgG

Purification

Affinity purification

Storage

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

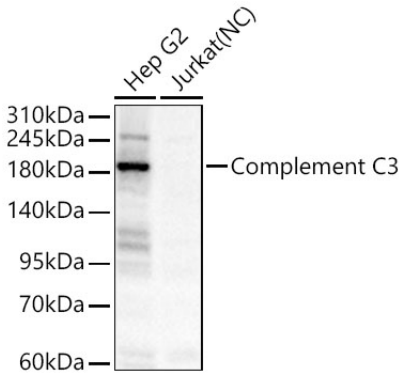
Buffer: PBS, pH 7.3, containing 50% glycerol. Preserved with Proclin300 or sodium azide. May contain 0.05% BSA as specified on the Certificate of Analysis.

Contact



www.abclonal.com

Validation Data



Western blot analysis of various lysates using Complement C3 Rabbit pAb (A13283SP) at 1:2000 dilution incubated overnight at 4°C.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Negative control (NC): Jurkat.
Exposure time: 1 s.