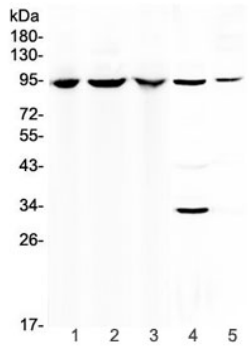
Complement C7 Antibody (RQ4047)

Catalog No.	Formulation	Size
RQ4047	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	P10643
Applications	Western Blot : 0.5-1ug/ml Direct ELISA : 0.1-0.5ug/ml
Limitations	This Complement C7 antibody is available for research use only.



Western blot testing of 1) human 293T, 2) human HepG2, 3) human A549, 4) rat liver and 5) mouse small intestine lysate with Complement C7 antibody at 0.5ug/ml. Predicted molecular weight ~93 kDa.

Description

This gene encodes a serum glycoprotein that forms a membrane attack complex together with complement components C5b, C6, C8, and C9 as part of the terminal complement pathway of the innate immune system. The protein encoded by this gene contains a cholesterol-dependent cytolysin/membrane attack complex/perforin-like (CDC/MACPF) domain and belongs to a

large family of structurally related molecules that form pores involved in host immunity and bacterial pathogenesis. This protein initiates membrane attack complex formation by binding the C5b-C6 subcomplex and inserts into the phospholipid bilayer, serving as a membrane anchor. Mutations in this gene are associated with a rare disorder called C7 deficiency.

Application Notes

Optimal dilution of the Complement C7 antibody should be determined by the researcher.

Immunogen

A recombinant human partial protein corresponding to amino acids R233-D453 was used as the immunogen for the Complement C7 antibody.

Storage

After reconstitution, the Complement C7 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

Ordering:Phone:858.663.9055 | Fax:1.267.821.0800 | Email:info@nsjbio.com