

For Research Use Only

C7 Polyclonal antibody

Catalog Number: 17642-1-AP

1 Publications



Basic Information

Catalog Number:

17642-1-AP

Concentration:

300 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG11819

GenBank Accession Number:

BC063851

GeneID (NCBI):

730

UNIPROT ID:

P10643

Full Name:

complement component 7

Calculated MW:

843 aa, 94 kDa

Observed MW:

105 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

Applications

Tested Applications:

WB, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse, rat

Cited Species:

human

Positive Controls:

WB : mouse thymus tissue, human blood tissue

Background Information

The complement system is an important effector that bridges the innate and adaptive immune systems (PMID: 20010915). Complement component 7 (C7) is a single-chain plasma glycoprotein that is the final product of the complement cascade and plays a central role in the activation of the complement system. It is a constituent of the membrane attack complex (MAC) that plays a key role in the innate and adaptive immune response by forming pores in the plasma membrane of target cells (PMID: 10886232; PMID: 27852032). C7 is a potential tumor suppressor and a prognostic biomarker for prostate cancer and renal cell carcinoma (PMID: 32984006; PMID: 33158953). C7 serves as a membrane anchor. People with C7 deficiency are prone to bacterial infection.

Notable Publications

Author	Pubmed ID	Journal	Application
Sipeng Li	34265469	Mol Cell Proteomics	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

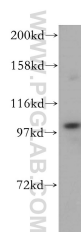
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



mouse thymus tissue were subjected to SDS PAGE followed by western blot with 17642-1-AP (C7 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.