

C7 Antibody

Catalog No: #46376

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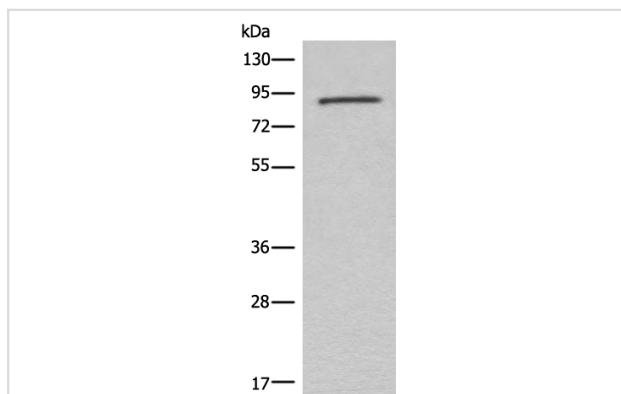
Description

Product Name	C7 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen affinity purification
Applications	WB
Species Reactivity	Hu Ms
Specificity	The antibody detects endogenous levels of total C7 protein.
Immunogen Type	peptide
Immunogen Description	Synthetic protein corresponding to residues near the C terminal of human C7
Target Name	C7
Accession No.	Swiss-Prot:P10643NCBI Gene ID:730NCBI Protein:BC063851
Uniprot	P10643
GeneID	730;
Calculated MW	94 kDa
Concentration	0.8mg/ml
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol.
Storage	Store at -20°C

Application Details

Western blotting: 1:500-1:2000

Images



Gel: 8%SDS-PAGE

lysate: 40 µg, Lane: Mouse lung tissue lysate,

Primary antibody: 46376B C7 Antibody) at dilution 1/800

Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution,

Exposure time: 10 minutes

Background

The complement cascade is a multi-protein system that functions to clear pathogens from an infected host. Part of the innate (unchanging) immune system, the complement cascade consists of proteins and inactive zymogens that are present in blood and are stimulated by one of several triggers. Once stimulated, the cascade relays amplified responses throughout the body, ultimately activating the cell-killing membrane attack complex which can insert itself into the cell membrane and cause the cell to lyse. C7 (complement component 7) is an 843 amino acid secreted protein that

participates in the formation of membrane attack complex (MAC), a complex that forms pores in the plasma membrane of target cells for innate and adaptive immune responses. As a membrane anchor, C7 exists as a monomer or dimer and can form multimeric rosettes with C5 β . C7 defects are the cause of component C7 deficiency (C7D), characterized by recurrent bacterial infections caused by *Neisseria meningitidis*.

Note: This product is for in vitro research use only