Best Tools for immunology Research

C9 Polyclonal Antibody

Catalog No :	YT0571
Reactivity :	Human;Rat;Mouse;
Applications :	WB;ELISA
Target :	C9
Fields :	>>Complement and coagulation cascades;>>Prion disease;>>Amoebiasis;>>Coronavirus disease - COVID-19;>>Systemic lupus erythematosus
Gene Name :	C9
Protein Name :	Complement component C9
Human Gene Id :	735
Human Swiss Prot No :	P02748
Mouse Swiss Prot No :	P06683
Immunogen :	The antiserum was produced against synthesized peptide derived from human C9. AA range:181-230
Specificity :	C9 Polyclonal Antibody detects endogenous levels of C9 protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. ELISA: 1:40000. Not yet tested in other applications.
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml

Storage Stability : -15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band : 70kD

Cell Pathway : Complement and coagulation cascades;Prion diseases;Systemic lupus erythematosus;

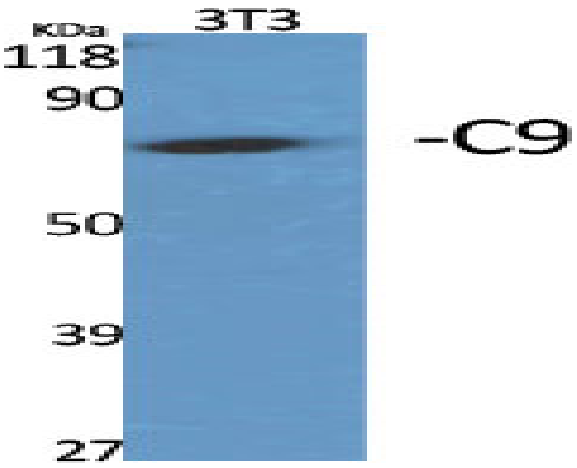
Background : This gene encodes the final component of the complement system. It participates in the formation of the Membrane Attack Complex (MAC). The MAC assembles on bacterial membranes to form a pore, permitting disruption of bacterial membrane organization. Mutations in this gene cause component C9 deficiency. [provided by RefSeq, Feb 2009],

Function : disease:Defects in C9 are a cause of component C9 deficiency (C9D) [MIM:120940]. Patients with C9D suffer from recurrent bacterial infections, predominantly from Neisseria meningitidis.,function:C9 is the final component of the complement system to be added in the assembly of the membrane attack complex. It is able to enter lipid bilayers, forming transmembrane channels.,online information:C9 mutation db,PTM:Thrombin cleaves factor C9 to produce C9a and C9b.,similarity:Belongs to the complement C6/C7/C8/C9 family.,similarity:Contains 1 EGF-like domain.,similarity:Contains 1 LDL-receptor class A domain.,similarity:Contains 1 MACPF domain.,similarity:Contains 1 TSP type-1 domain.,

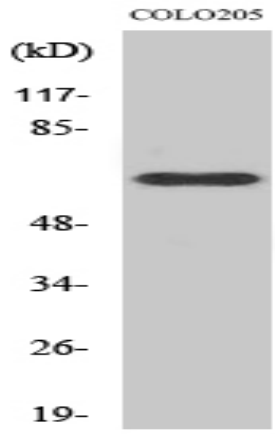
Subcellular Location : Secreted . Target cell membrane ; Multi-pass membrane protein . Secreted as soluble monomer. Oligomerizes at target membranes, forming a pre-pore. A conformation change then leads to the formation of a 100 Angstrom diameter pore. .

Expression : Plasma (at protein level).

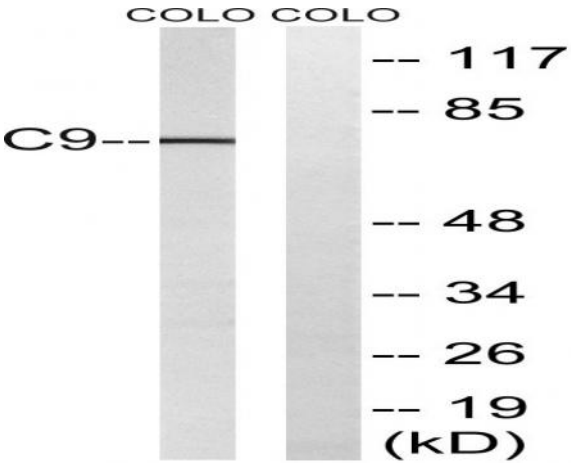
Products Images



Western Blot analysis of various cells using C9 Polyclonal Antibody



Western Blot analysis of COLO205 cells using C9 Polyclonal Antibody



Western blot analysis of lysates from COLO cells, using C9 Antibody. The lane on the right is blocked with the synthesized peptide.