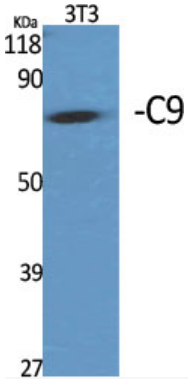
C9 Polyclonal Antibody

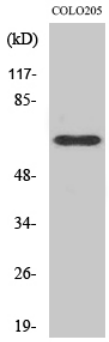
Catalog No	YP-Ab-13877
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB;ELISA
Gene Name	C9
Protein Name	Complement component C9
Immunogen	The antiserum was produced against synthesized peptide derived from human C9. AA range:181-230
Specificity	C9 Polyclonal Antibody detects endogenous levels of C9 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	Western Blot: 1/500 - 1/2000. ELISA: 1/40000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	C9; Complement component C9
Observed Band	70kD
Cell Pathway	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. .
Tissue Specificity	Plasma (at protein level).
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.,
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],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

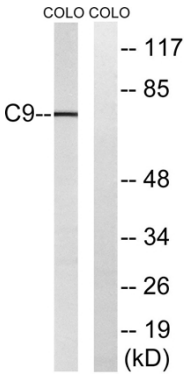
Products Images



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.