Immunoway
Best Tools for immunology Research

C1q-C Polyclonal Antibody

Catalog No :	YT0565
Reactivity :	Human;Mouse;Rat
Applications :	WB;IHC;IF;ELISA
Target :	C1q-C
Fields :	>>Complement and coagulation cascades;>>Alcoholic liver disease;>>Prion disease;>>Pertussis;>>Chagas disease;>>Staphylococcus aureus infection;>>Coronavirus disease - COVID-19;>>Systemic lupus erythematosus
Gene Name :	C1QC
Protein Name :	Complement C1q subcomponent subunit C
Human Gene Id :	714
Human Swiss Prot No :	P02747
Mouse Gene Id :	12262
Mouse Swiss Prot No :	Q02105
Rat Gene Id :	362634
Rat Swiss Prot No :	P31722
Immunogen :	The antiserum was produced against synthesized peptide derived from human C1QC. AA range:81-130
Specificity :	C1q-C Polyclonal Antibody detects endogenous levels of C1q-C 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. IHC 1:100 - 1:300. ELISA: 1:40000.. IF 1:50-200

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 : 30kD

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

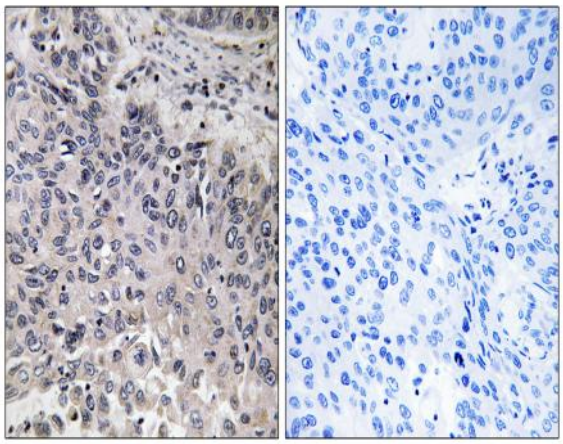
Background : This gene encodes a major constituent of the human complement subcomponent C1q. C1q associates with C1r and C1s in order to yield the first component of the serum complement system. A deficiency in C1q has been associated with lupus erythematosus and glomerulonephritis. C1q is composed of 18 polypeptide chains: six A-chains, six B-chains, and six C-chains. Each chain contains a collagen-like region located near the N-terminus, and a C-terminal globular region. The A-, B-, and C-chains are arranged in the order A-C-B on chromosome 1. This gene encodes the C-chain polypeptide of human complement subcomponent C1q. Alternatively spliced transcript variants that encode the same protein have been found for this gene. [provided by RefSeq, Jul 2008],

Function : disease:Defects in C1QC are a cause of C1q deficiency [MIM:120575]. It is a rare genetic disorder which is associated with recurrent infections and a high prevalence of lupus erythematosus-like symptoms. It is characterized by a loss of activation of the complement classical pathway.,function:C1q associates with the proenzymes C1r and C1s to yield C1, the first component of the serum complement system. The collagen-like regions of C1q interact with the Ca(2+)-dependent C1r(2)C1s(2) proenzyme complex, and efficient activation of C1 takes place on interaction of the globular heads of C1q with the Fc regions of IgG or IgM antibody present in immune complexes.,online information:C1QC mutation db,PTM:O-linked glycans consist of Glc-Gal disaccharides bound to the oxygen atom of post-translationally added hydroxyl groups.,similarity:Contains 1 C1q domain.,similarity:Contains 1 collagen-like dom

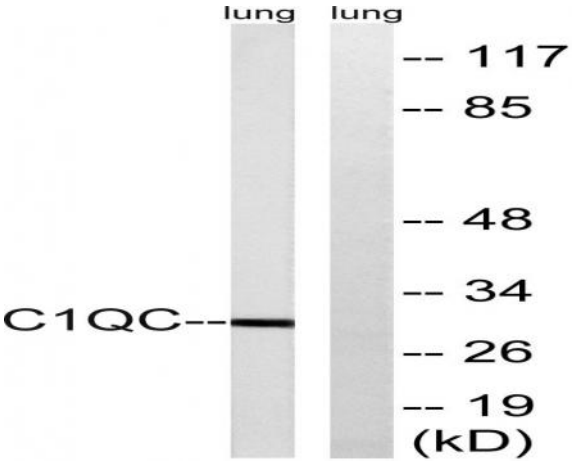
Subcellular Location : Secreted.

Expression : Brain,Cerebellum,Monocyte,

Products Images



Immunohistochemistry analysis of paraffin-embedded human lung carcinoma tissue, using C1QC Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from rat lung, using C1QC Antibody. The lane on the right is blocked with the synthesized peptide.