



C1q-B Polyclonal Antibody

Catalog No	YP-Ab-13871
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB;Flow Cyt;IHC;IF;ELISA
Gene Name	C1QB
Immunogen	The antiserum was produced against synthesized peptide derived from human C1QB. AA range:161-210
Specificity	C1q-B Polyclonal Antibody detects endogenous levels of C1q-B 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	WB 1:500-2000;Flow Cyt 1:50-200;IHC-p 1:100-500;IF/ICC 1:100-500;ELISA 1:5000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Complement C1q B chain;C1q-B;C1QB;Complement C1q subcomponent subunit B
Observed Band	28kD
Calculated Molecular Weight	28kD
Cell Pathway	Secreted.
Tissue Specificity	Brain,Liver,
Function	disease:Defects in C1QB are a cause of C1q deficiency [MIM:120570]. 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:C1QB 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

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. Deficiency of 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 B-chain polypeptide of human complement subcomponent C1q [provided by RefSeq, Jul 2008],

matters needing attention

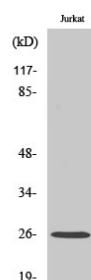
Avoid repeated freezing and thawing!

Usage suggestions

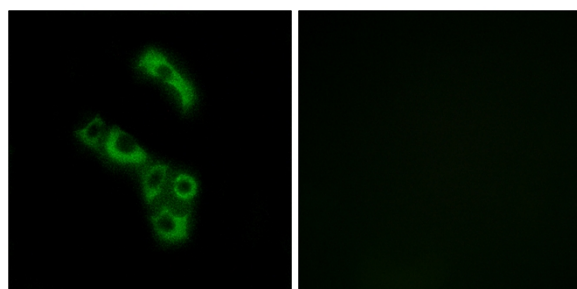
This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



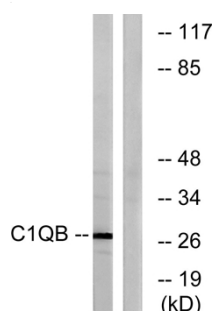
Products Images



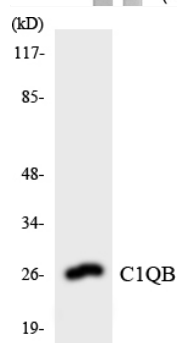
Western Blot analysis of various cells using C1q-B Polyclonal Antibody diluted at 1:1000



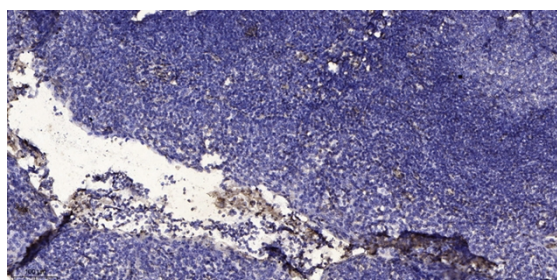
Immunofluorescence analysis of A549 cells, using C1QB Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from Jurkat cells, using C1QB Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from Jurkat cells using C1QB antibody.



Immunohistochemical analysis of paraffin-embedded human tonsil. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 30min).