Datasheet for ABIN6940772

anti-C1QB antibody (AA 41-188)

4 Images

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Overview

Quantity:	100 µg
Target:	C1QB
Binding Specificity:	AA 41-188
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This C1QB antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Staining Methods (StM)

Product Details

Immunogen:	Recombinant fragment (around aa 41-188) of human C1QB protein (exact sequence is proprietary)
Clone:	C1QB-2966
Isotype:	IgG1 kappa
Purification:	Purified by Protein A/G

Target Details

Target:	C1QB
Alternative Name:	C1QB (C1QB Products)
Background:	C1q, a subcomponent of the classical complement pathway, is composed of nine subunits that

Target Details

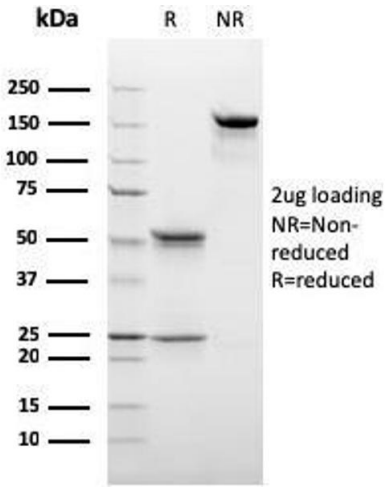
	mediate classical complement activation and thereby play an important role in the immune response. Six of these subunits are disulfide-linked dimers of chains A and B, while three of these subunits, designated C1q-A through C1q-C, are disulfide-linked dimers of chain C. Each chain contains an N-terminal collagen-like region and a C-terminal C1q globular domain. The presence of receptors for C1q on effector cells modulates its activity, which may be antibody-dependent or independent. Macrophages are the primary source of C1q, while anti-inflammatory drugs as well as cytokines differentially regulate expression of the mRNA as well as the protein. C1q deficiency is associated with lupus erythematosus and glomerulonephritis.
Molecular Weight:	26-29kDa
Gene ID:	713
UniProt:	P02746
Pathways:	Complement System

Application Details

Application Notes:	Positive Control: Human liver, kidney or brain (IHC). Known Application: Immunohistochemistry (Formalin-fixed) (1-2 µg/mL for 30 minutes at RT)(Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM Tris with 1 mM EDTA, pH 9.0, for 10-20 min followed by cooling at RT for 20 minutes)Optimal dilution for a specific application should be determined.
Restrictions:	For Research Use only

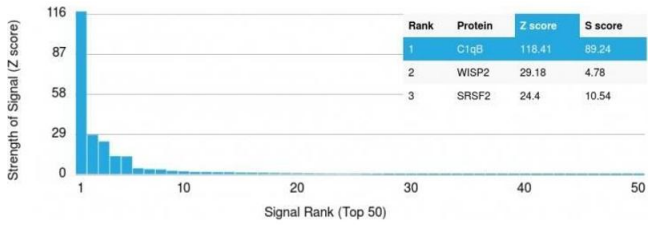
Handling

Concentration:	200 µg/mL
Buffer:	10 mM PBS with 0.05 % BSA & 0.05 % azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-80 °C
Storage Comment:	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.
Expiry Date:	24 months



SDS-PAGE

Image 1. SDS-PAGE Analysis Purified C1QB Mouse Monoclonal Antibody (C1QB/2966). Confirmation of Purity and Integrity of Antibody.

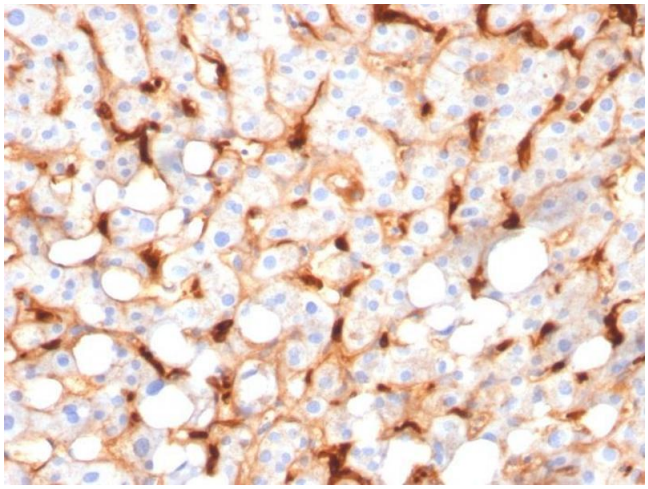


Protein Array

Image 2. Analysis of Protein Array containing more than 19,000 full-length human proteins using C1QB Mouse Monoclonal Antibody (C1QB/2966).

Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProtTM array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProtTM are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.

Images



Immunohistochemistry

Image 3. Formalin-fixed, paraffin-embedded human Hepatocellular Carcinoma stained with C1QB Mouse Monoclonal Antibody (C1QB/2966).

Please check the product details page for more images. Overall 4 images are available for ABIN6940772.