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Datasheet for ABIN6940765 anti-C1QA antibody (AA 104-237)

4 Images



Overview

Quantity:	100 µg
Target:	C1QA
Binding Specificity:	AA 104-237
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This C1QA antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Staining Methods (StM)

Product Details

Immunogen:	Recombinant fragment (around aa 104-237) of human C1QA protein (exact sequence is proprietary)
Clone:	C1QA-2952
Isotype:	lgG2b kappa
Purification:	Purified by Protein A/G

Target Details

Target:	C1QA
Alternative Name:	C1QA (C1QA Products)
Background:	C1q, a subcomponent of the classical complement pathway, is composed of nine subunits that

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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:	29kDa
Gene ID:	712
UniProt:	P02745
Pathways:	Complement System

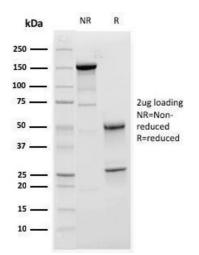
Application Details

Application Notes:	Positive Control: Human liver or kidney tissue (IHC).
	Known Application: Immunohistochemistry (Formalin-fixed) (1-2 μ g/mL for 30 minutes at
	RT)(Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM citrate
	buffer, pH 6.0, 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

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SDS-PAGE

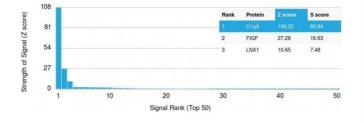
Image 1. SDS-PAGE Analysis Purified C1QA Mouse Monoclonal Antibody (C1QA/2952). Confirmation of Purity and Integrity of Antibody.

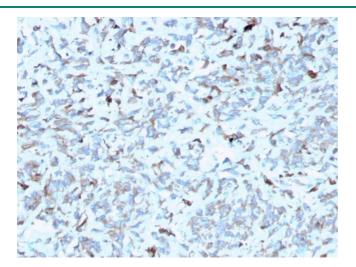
Protein Array

Image 2. Analysis of Protein Array containing more than 19,000 full-length human proteins using C1QA Mouse Monoclonal Antibody (C1QA/2952)

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.

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Immunohistochemistry

Image 3. Formalin-fixed, paraffin-embedded human Kidney stained with C1QA Mouse Monoclonal Antibody (C1QA/2952).

Please check the product details page for more images. Overall 4 images are available for ABIN6940765.