

## Mouse anti-Human C1QBP Monoclonal Antibody | anti-C1QBP antibody

Anti-C1QBP Antibody, Mouse Monoclonal

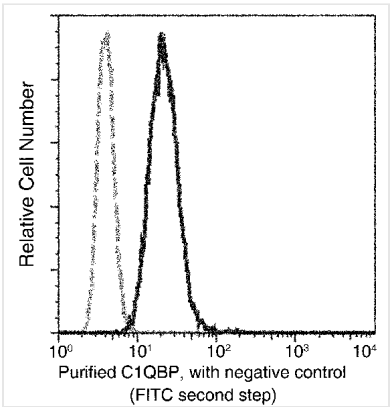
| CATALOG # | HOST  | REACTIVITY | APPLICATIONS                                                              |
|-----------|-------|------------|---------------------------------------------------------------------------|
| AAA255477 | Mouse | Human      | Immunofluorescence, Immunocytochemistry, Flow Cytometry, Functional Assay |

### PRODUCT SYNONYMS

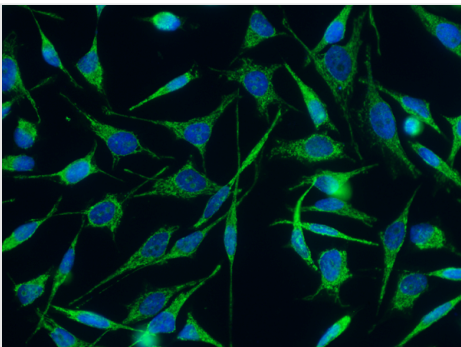
C1QBP; Monoclonal Antibody; Anti-C1QBP Antibody; Mouse Monoclonal; C1QBP/HABP1 Antibody; Mouse MAb; complement component 1; q subcomponent binding protein; Anti-gC1Q-R Antibody; Anti-GC1QBP Antibody; Anti-gC1qR Antibody; Anti-HABP1 Antibody; Anti-p32 Antibody; Anti-SF2p32 Antibody; anti-C1QBP antibody

### PRODUCT SPECIFICATIONS

|                                                 |                                                                                                                                                                                                                                                                                                          |
|-------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Mouse                                                                                                                                                                                                                                                                                                    |
| Reactivity                                      | Human                                                                                                                                                                                                                                                                                                    |
| Clonality                                       | Monoclonal                                                                                                                                                                                                                                                                                               |
| Isotype                                         | Mouse IgG1                                                                                                                                                                                                                                                                                               |
| Clone Number                                    | 09                                                                                                                                                                                                                                                                                                       |
| Specificity                                     | Human C1QBP/HABP1                                                                                                                                                                                                                                                                                        |
| Purity/Purification                             | Protein A                                                                                                                                                                                                                                                                                                |
| Form/Format                                     | Liquid; 0.2um filtered solution in PBS                                                                                                                                                                                                                                                                   |
| Applicable Applications for anti-C1QBP antibody | IF (Immunofluorescence), ICC (Immunocytochemistry), FCM/FACS (Flow Cytometry)                                                                                                                                                                                                                            |
| Immunogen                                       | Recombinant Human C1QBP/HABP1 protein                                                                                                                                                                                                                                                                    |
| Conjugation                                     | Unconjugated                                                                                                                                                                                                                                                                                             |
| Preparation                                     | This antibody was produced from a hybridoma resulting from the fusion of a mouse myeloma with B cells obtained from a mouse immunized with purified, recombinant Human C1QBP/HABP1 (rh C1QBP/HABP1). The IgG fraction of the cell culture supernatant was purified by Protein A affinity chromatography. |
| Preparation and Storage                         | This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.                                    |



**FCM/FACS (Flow Cytometry)**  
Flow cytometric analysis of Human C1QBP expression on HeLa cells. The cells were treated according to manufacturer's manual (BD Pharmingen<sup>®</sup>), stained with purified anti-Human C1QBP, then a FITC-conjugated second step antibody. The fluorescence histograms were derived from gated events with the forward and side light-scatter characteristics of intact cells.



**IF (Immunofluorescence)**  
Immunofluorescence staining of Human C1QBP in HeLa cells. Cells were fixed with 4% PFA, permeabilized with 0.5% Triton X-100 in PBS, blocked with 10% serum, and incubated with Mouse anti-Human C1QBP monoclonal antibody (1:60) at 37 degree C 1 hour. Then cells were stained with the Alexa Fluor 488-conjugated Goat Anti-mouse IgG secondary antibody (green). Positive staining was localized to cytoplasm.

ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-C1QBP antibody | Hyaluronan binding protein 1 (HABP1), also known as p32 or gC1qR, is a ubiquitously expressed multifunctional phospho-protein implicated in cell signalling. Hyaluronan-binding protein 1 (HABP1) /p32/gC1qR was characterized as a highly acidic and oligomeric protein, which binds to different ligands like hyaluronan, C1q, and mannosylated albumin. The role of hyaluronan binding protein 1 (HABP1) in cell signaling was investigated and in vitro. HABP1 overexpressing cells showed extensive vacuolation and reduced growth rate, which was corrected by frequent medium replenishment. Further investigation revealed that HABP1 overexpressing cells undergo apoptosis, and they failed to enter into the S-phase. The sperm surface HABP1 level can be correlated with the degree of sperm motility. Hyaluronan binding protein 1 (HABP1) was reported to be present on human sperm surface and its involvement in fertilization has already been elucidated: decreased HABP1 level may be associated with low motility of sperms, which in turn might cause infertility in the patient. HABP1 also is an endogenous substrate for MAP kinase and upon mitogenic stimulation it is translocated to the nucleus in a MAP kinase-dependent manner. |
| References                                          | Meenakshi J, et al. (2003) Constitutive expression of hyaluronan binding protein 1 (HABP1/p32/gC1qR) in normal fibroblast cells perturbs its growth characteristics and induces apoptosis. Biochemical and Biophysical Research Communication. 300(3): 686-93. Majumdar M, et al. (2002) Hyaluronan Binding Protein 1 (HABP1) /C1QBP/p32 Is an Endogenous Substrate for MAP Kinase and Is Translocated to the Nucleus upon Mitogenic Stimulation. Biochemical and Biophysical Research Communications. 291(4): 829-37. Ghosh I, et al. (2002) Reduction in the level of hyaluronan binding protein 1 (HABP1) is associated with loss of sperm motility. Journal of Reproductive Immunology. 53(1-2): 45-54.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                      |
|----------------------------------|----------------------------------------------------------------------|
| NCBI GI #                        | 4502491                                                              |
| NCBI GeneID                      | 708                                                                  |
| NCBI Accession #                 | NP_001203.1                                                          |
| NCBI GenBank Nucleotide #        | NM_001212.3                                                          |
| UniProt Accession #              | Q07021; Q2HXR8; Q9NNY8                                               |
| Molecular Weight                 | 31,362 Da                                                            |
| NCBI Official Full Name          | complement component 1 Q subcomponent-binding protein, mitochondrial |
| NCBI Official Synonym Full Names | complement component 1, q subcomponent binding protein               |
| NCBI Official Symbol             | C1QBP                                                                |

|                                      |                                                                                                                                                                                                                                                                 |
|--------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>NCBI Official Synonym Symbols</b> | p32; HABP1; gC1qR; GC1QBP; SF2p32; gC1Q-R                                                                                                                                                                                                                       |
| <b>NCBI Protein Information</b>      | complement component 1 Q subcomponent-binding protein, mitochondrial; p33; glycoprotein gC1qBP; hyaluronan-binding protein 1; ASF/SF2-associated protein p32; mitochondrial matrix protein p32; C1q globular domain-binding protein; splicing factor SF2-associ |
| <b>UniProt Protein Name</b>          | Complement component 1 Q subcomponent-binding protein, mitochondrial                                                                                                                                                                                            |
| <b>UniProt Gene Name</b>             | <b>C1QBP</b>                                                                                                                                                                                                                                                    |
| <b>UniProt Synonym Gene Names</b>    | GC1QBP; HABP1; SF2P32; C1qBP                                                                                                                                                                                                                                    |
| <b>UniProt Entry Name</b>            | C1QBP_HUMAN                                                                                                                                                                                                                                                     |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/monoclonal/c1qbp-antibody-clone-09-immunofluorescence-immunocytochemistry-flow-cytometry-elisa/255477>