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## **Human HABP1/C1QBP antibody**

Catalog Number: ATGA0330

#### **PRODUCT INFORMATION**

## Catalog number

ATGA0330

#### Clone No.

AT1G7

## **Product type**

Monoclonal Antibody

#### UnitProt No.

Q07021

#### **NCBI Accession No.**

NP 001203

#### **Alternative Names**

Complement C1q binding protein, Complement component 1, Q subcomponent binding protein, GC1QBP, Glycoprotein gC1Q-R, gC1qR, Mitochondrial matrix protein p32, ASF/SF2-associated protein p32, SF2p32, C1q globular domain-binding protein, Hyaluronan-binding protein 1, Splicing factor SF2-associated protein

## **PRODUCT SPECIFICATION**

#### **Antibody Host**

Mouse

### **Reacts With**

Human

#### Concentration

1mg/ml (determined by BCA assay)

#### **Formulation**

Liquid in. Phosphate-Buffered Saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol

#### Immunogen

Recombinant human C1QBP (74-282aa) purified from E.coli

## Isotype

IgG1 kappa

#### **Purification Note**

By protein-A affinity chromatography

#### **Application**

ELISA, WB, ICC/IF

## **Usage**

The antibody has been tested by ELISA, Western blot and ICC/IF analysis to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results.



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#### **Storage**

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

### **BACKGROUND**

#### **Description**

Complement component 1 Q subcomponent-binding protein, mitochondrial is a protein that in humans is encoded by the C1QBP gene. The human complement subcomponent C1q associates with C1r and C1s in order to yield the first component of the serum complement system. The protein encoded by this gene is known to bind to the globular heads of C1q molecules and inhibit C1 activation. This protein has also been identified as the p32 subunit of pre-mRNA splicing factor SF2, as well as a hyaluronic acid-binding protein.

## **General References**

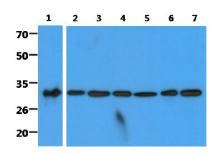
Deb TB, et al. (1996) J Biol Chem 271(4):2206-12.

Ghebrehiwet B, et al. (1994) J Exp Med 179(6):1809-21.

Entrez Gene: C1QBP complement component 1, q subcomponent binding protein.

#### **DATA**

## Western blot analysis (WB)



The recombinant protein (50ng) and cell lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with antihuman C1QBP antibody (1:2000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.

Lane 1 : Recombinant protein

Lane 2 : HeLa cell lysate

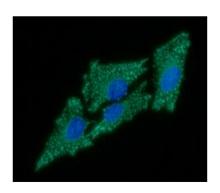
Lane 3 : Jurkat cell lysate

Lane 4 : MCF7 cell lysate Lane 5 : Ramos cell lysate

Lane 6 : 293T cell lysate

Lane 7 : A549 cell lysate

## Immunocytochemistry/Immunofluorescence (ICC/IF)



ICC/IF analysis of C1QBP in HeLa cells. The cell was stained with ATGA0330 (1:100). The secondary antibody (green) was used Alexa Fluor 488. DAPI was stained the cell nucleus (blue).

