Data Sheet (Cat.No.TMAY-03170)

TargetMol

Anti-C1QBP Antibody (9T946)

Product Details

Ig Type:	Rabbit IgG
Reactivity:	Mouse
Conjugation:	Unconjugated
Clone:	9T946
Purification:	Protein A

Applications

Verified Activity:	1. Mouse C1QBP was immunoprecipitated using: -Lane A:0.5 mg HepG2 Whole Cell Lysate. -Lane B:0.5 mg Hela Whole Cell Lysate. -2 µL anti-Mouse C1QBP rabbit monoclonal antibody and 15 µl of 50 % Protein G agarose. -Primary antibody: -Anti-Mouse C1QBP rabbit monoclonal antibody, at 1:100 dilution. -Secondary antibody: -Dylight 800-labeled antibody to rabbit IgG (H+L), at 1:5000 dilution. -Developed using the odyssey technique. -Performed under reducing conditions. -Predicted band size: 35 kDa. -Observed band size: 35 kDa. 2. Anti-C1QBP rabbit monoclonal antibody at 1:500 dilution. -Lane A: HepG2 Whole Cell Lysate. -Lane B: Jurkat Whole Cell Lysate. -Lane C: Raji Whole Cell lysate. -Lysates/proteins at 30 µg per lane. -Secondary -Goat Anti-Rabbit IgG H&L (Dylight800) at 1/10000 dilution. -Developed using the Odyssey technique. -Performed under reducing conditions. -Predicted band size:31 kDa. -Observed band size:35 kDa
Application:	IP,WB
Recommended	WB: 1:500-1:2000; IP: 0.5-2 µL/mg of lysate

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. Preservative-Free.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	Recombinant Protein: Mouse C1QBP / HABP1 Protein (TMPY-01998)
Antigen Species:	Mouse
Synonyms:	AA986492;D11Wsu182e;P32;complement component 1, q subcomponent binding protein; gC1qBP;HABP1;AA407365

Research Background

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.