Recombinant C1QBP/HABP1 Monoclonal Antibody

catalog number: AN300492P

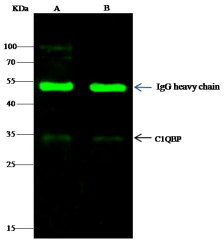
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

Reactivity	Mouse
Immunogen	Recombinant Mouse C1QBP/HABP1 Protein
Host	Rabbit
Isotype	IgG
Clone	7C8
Purification	Protein A
Buffer	0.2 μm filtered solution in PBS

Applications	Recommended Dilution
WB	1:500-1:2000
IP	0.5-2 μL/mg of lysate

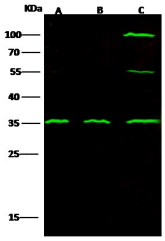
Data



Immunoprecipitation analysis using 2 μL anti-Mouse C1QBP Monoclonal Antibody and 15 μl of 50 % Protein G agarose. Western blot was performed from the immunoprecipitate using C1QBP Monoclonal Antibody at a dilution of 1:100. Lane A:0.5 mg HepG2 Whole Cell Lysate, Lane B:0.5 mg Hela Whole Cell Lysate

Observed-MW:35 kDa

Calculated-MW:31 kDa



Western Blot with C1QBP Monoclonal Antibody at dilution of 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.

Observed-MW:35 kDa

Calculated-MW:31 kDa

Preparation & Storage

Storage	This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles.
Shipping	Ice bag

Background

Toll-free: 1-888-852-8623
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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.

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