

#### DESCRIPTION

|                           |                                                                                                                                                                                                                                                                             |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Species Reactivity</b> | Human/Mouse/Rat                                                                                                                                                                                                                                                             |
| <b>Specificity</b>        | Detects human, mouse, and rat HABP1/C1QBP in direct ELISAs and Western blots. In direct ELISAs, less than 1% cross-reactivity with recombinant human C1QR is observed.                                                                                                      |
| <b>Source</b>             | Polyclonal Goat IgG                                                                                                                                                                                                                                                         |
| <b>Purification</b>       | Antigen Affinity-purified                                                                                                                                                                                                                                                   |
| <b>Immunogen</b>          | <i>E. coli</i> -derived recombinant mouse HABP1/C1QBP<br>Leu72-Gln279<br>Accession # NP_031599                                                                                                                                                                              |
| <b>Conjugate</b>          | Alexa Fluor 750<br>Excitation Wavelength: 749 nm<br>Emission Wavelength: 775 nm                                                                                                                                                                                             |
| <b>Formulation</b>        | Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide<br><br>*Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions. |

#### APPLICATIONS

**Please Note:** Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

**Western Blot** Optimal dilution of this antibody should be experimentally determined.

#### PREPARATION AND STORAGE

**Shipping** The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.

**Stability & Storage** Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

#### BACKGROUND

HABP1 (hyaluronan binding protein1; also p32 and gC1qR) is a 33 kDa member of the MAM33 family of proteins. It is widely expressed and found on/in endothelial cells, platelets and dendritic cells. It has multiple binding partners, including complement C1q, hyaluronan, vitronectin and ARF. Full-length mouse HABP1 precursor is 279 amino acid (aa) in length. It contains a 70 aa mitochondrial targeting sequence (aa 1-70) that is cleaved to generate a 209 aa mature segment. A hyaluronan binding site lies between Lys116-Lys125 and a Tyr phosphorylation site exists at Tyr184. Although the prosegment is usually cleaved, the intact precursor is associated with sperm. HABP1 reportedly forms noncovalent homotrimers. Over aa 72-279, mouse HABP1 shares 99% and 91% aa identity with rat and human HABP1, respectively.

#### PRODUCT SPECIFIC NOTICES

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