

## DESCRIPTION

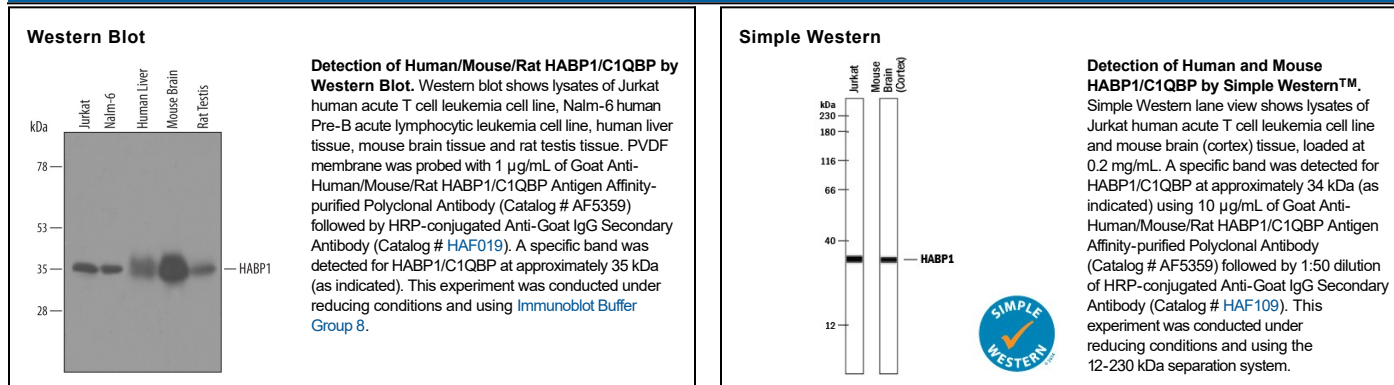
<b>Species Reactivity</b>	Human/Mouse/Rat
<b>Specificity</b>	Detects human, mouse, and rat HABP1/C1QBP in direct ELISAs and Western blots. In direct ELISAs, less than 1% cross-reactivity with recombinant human C1QR is observed.
<b>Source</b>	Polyclonal Goat IgG
<b>Purification</b>	Antigen Affinity-purified
<b>Immunogen</b>	<i>E. coli</i> -derived recombinant mouse HABP1/C1QBP Leu72-Gln279 Accession # NP_031599
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.

## 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.

	<b>Recommended Concentration</b>	<b>Sample</b>
<b>Western Blot</b>	1 µg/mL	See Below
<b>Simple Western</b>	10 µg/mL	See Below

## DATA



## PREPARATION AND STORAGE

<b>Reconstitution</b>	Reconstitute at 0.2 mg/mL in sterile PBS.
<b>Shipping</b>	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
<b>Stability &amp; Storage</b>	<b>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</b> <ul style="list-style-type: none"> <li>12 months from date of receipt, -20 to -70 °C as supplied.</li> <li>1 month, 2 to 8 °C under sterile conditions after reconstitution.</li> <li>6 months, -20 to -70 °C under sterile conditions after reconstitution.</li> </ul>

## 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 propeptide 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 propeptide 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.