

DESCRIPTION

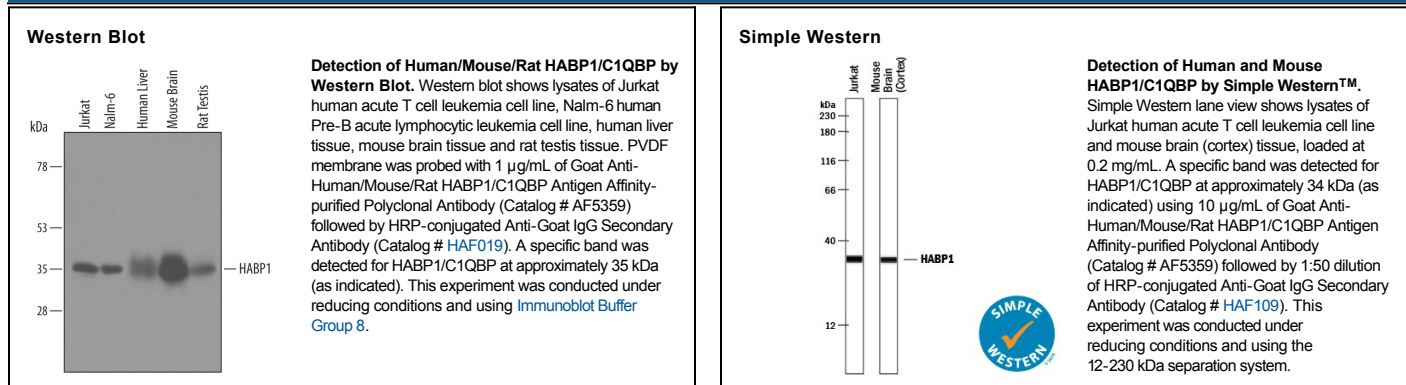
Species Reactivity	Human/Mouse/Rat
Specificity	Detects human, mouse, and rat HABP1/C1QBP in direct ELISAs and Western blots. In direct ELISAs, less than 1% cross-reactivity with recombinant human C1QR is observed.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli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

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

DATA



PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.2 mg/mL in sterile PBS.
Shipping	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
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

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 proprecursor 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.