

Human/Mouse/Rat HABP1/C1QBP Antibody

Antigen Affinity-purified Polyclonal Goat IgG Catalog Number: AF5359

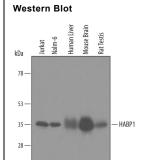
DESCRIPTION			
Species Reactivity	Human/Mouse/Rat		
Specificity	Detects human, mouse, and rat HABP1/C1QBP in direct ELISAs and Western blots. In direct ELISAs, less than 1% cross-reactivity with recombinant human C1QR is observed.		
Source	Polyclonal Goat IgG		
Purification	Antigen Affinity-purified		
Immunogen	E. coli-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 either lyophilized or as a 0.2 µm filtered solution in PBS.		

APPLICATIONS

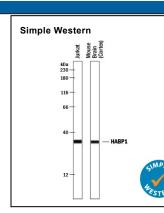
Please Note: Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.

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

Data



Detection of Human/Mouse/Rat HABP1/C1QBP by Western Blot. Western blot shows lysates of Jurkat human acute T cell leukemia cell line, Nalm-6 human Pre-B acute lymphocytic leukemia cell line, human liver tissue, mouse brain tissue and rat testis tissue. PVDF membrane was probed with 1 µg/mL of Goat Anti-Human/Mouse/Rat HABP1/C1QBP Antigen Affinity-purified Polyclonal Antibody (Catalog # AF5359) followed by HRP-conjugated Anti-Goat IgG Secondary Antibody (Catalog # HAF019). A specific band was detected for HABP1/C1QBP at approximately 35 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 8.



Detection of Human and Mouse HABP1/C1QBP by Simple Western™. Simple Western lane view shows lysates of Jurkat human acute T cell leukemia cell line and mouse brain (cortex) tissue, loaded at 0.2 mg/mL. A specific band was detected for HABP1/C1QBP at approximately 34 kDa (as indicated) using 10 µg/mL of Goat Anti-Human/Mouse/Rat HABP1/C1QBP Antigen Affinity-purified Polyclonal Antibody (Catalog # AF5359) followed by 1:50 dilution of HRP-conjugated Anti-Goat IgG Secondary Antibody (Catalog # HAF109). This experiment was conducted under reducing conditions and using the 12-230 kDa separation system.

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

- 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 proprecursor 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.

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