Human/Mouse/Rat HABP1/C1QBP Alexa Fluor® 532-conjugated Antibody

Antigen Affinity-purified Polyclonal Goat IgG
Catalog Number: AF5359X
100 µg

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
Conjugate	Alexa Fluor 532 Excitation Wavelength: 534 nm Emission Wavelength: 553 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *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 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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