

## Product datasheet for **TA374446**

### CD36 Rabbit Polyclonal Antibody

#### Product data:

|                         |   |
|-------------------------|---|
| Product Type:           | Primary Antibodies  |
| Applications:           | ELISA, IHC, WB  |
| Recommended Dilution:   | WB, 1:500 - 1:1000<br>IHC-P, 1:50 - 1:200<br>ELISA, Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements. |
| Reactivity:             | Human, Mouse, Rat   |
| Modifications:          | Unmodified  |
| Host:                   | Rabbit  |
| Isotype:                | IgG   |
| Clonality:              | Polyclonal  |
| Formulation:            | Buffer: PBS with 0.05% proclin300, 50% glycerol, pH7.3.   |
| Concentration:          | lot specific  |
| Purification:           | Affinity purification   |
| Conjugation:            | Unconjugated  |
| Storage:                | Store at -20°C. Avoid freeze / thaw cycles.   |
| Stability:              | Shelf life: one year from despatch.   |
| Predicted Protein Size: | 53kDa   |
| Gene Name:              | CD36 molecule   |
| Database Link:          | <a href="#">Entrez Gene 948 Human P16671</a>  |



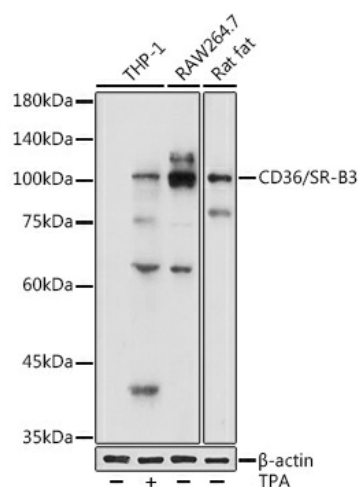
[View online »](#)

**Background:**

The protein encoded by this gene is the fourth major glycoprotein of the platelet surface and serves as a receptor for thrombospondin in platelets and various cell lines. Since thrombospondins are widely distributed proteins involved in a variety of adhesive processes, this protein may have important functions as a cell adhesion molecule. It binds to collagen, thrombospondin, anionic phospholipids and oxidized LDL. It directly mediates cytoadherence of *Plasmodium falciparum* parasitized erythrocytes and it binds long chain fatty acids and may function in the transport and/or as a regulator of fatty acid transport. Mutations in this gene cause platelet glycoprotein deficiency. Multiple alternatively spliced transcript variants have been found for this gene.

**Synonyms:**

CHDS7; FAT; GP3B; GP4; GPIIB; GPIV; OTTHUMP00000207872; OTTHUMP00000207874; PAS-4; PASIV; SCARB3

**Product images:**


Western blot analysis of various lysates using CD36/SR-B3 Rabbit pAb (TA374446) at 1:1000 dilution. THP-1 cells were treated by PMA/TPA (200 nM) at 37°C for 15 minutes after serum-starvation overnight.

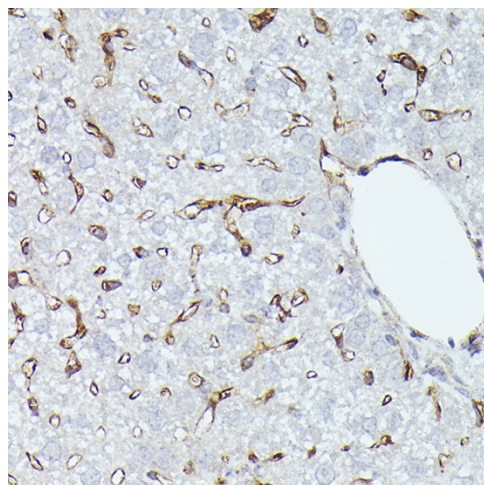
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

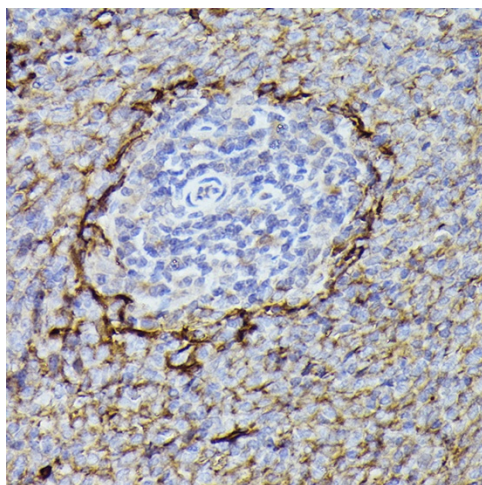
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

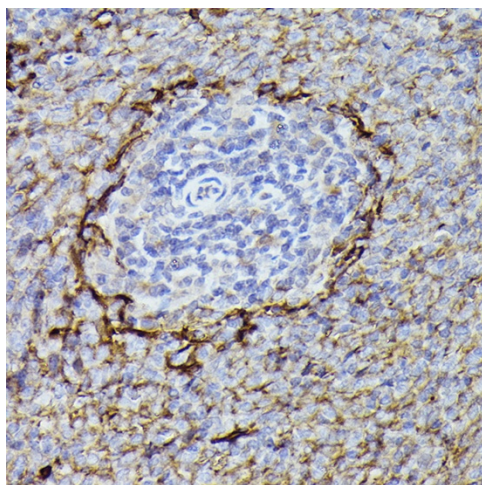
Exposure time: 10s.



Immunohistochemistry analysis of paraffin-embedded Human liver using CD36/SR-B3 Rabbit pAb (TA374446) at dilution of 1:100 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Mouse liver using CD36/SR-B3 Rabbit pAb (TA374446) at dilution of 1:100 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat spleen using CD36/SR-B3 Rabbit pAb (TA374446) at dilution of 1:100 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.