

# CD36 Rabbit pAb

Catalog No.: A5792SP **32 Publications**

## Basic Information

### Observed MW

70-110 kDa

### Calculated MW

53 kDa/32 kDa/43 kDa/48 kDa

### Category

Primary antibody

### Applications

WB,IF-F,IF-P,IHC-P,ELISA

### Cross-Reactivity

Human, Mouse, Rat

## 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.

## Recommended Dilutions

**WB** 1:2000 - 1:10000

**IF-F** 1:100 - 1:300

**IF-P** 1:100 - 1:300

**IHC-P** 1:1000 - 1:4000

**ELISA** Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements. For high-ratio antibody dilutions (≥1:10000) a sequential dilution method is strongly recommended to ensure measurement accuracy.

## Immunogen Information

### Gene ID

948/12491

### Swiss Prot

P16671/Q08857

### Immunogen

This information is considered to be commercially sensitive.

### Synonyms

FAT; GP4; GP3B; GPIV; CHDS7; PASIV; SCARB3; BDPLT10; CD36/SR-B3

## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

Affinity purification

### Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS, pH 7.3, containing 50% glycerol. Preserved with Proclin300 or sodium azide.

May contain 0.05% BSA as specified on the Certificate of Analysis.

## Contact

---

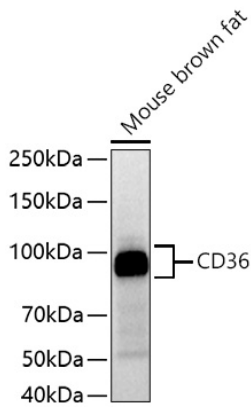
 | 400-999-6126

 | [cn.market@abclonal.com.cn](mailto:cn.market@abclonal.com.cn)

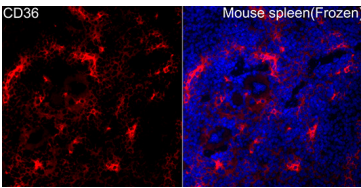
 | [www.abclonal.com.cn](http://www.abclonal.com.cn)

---

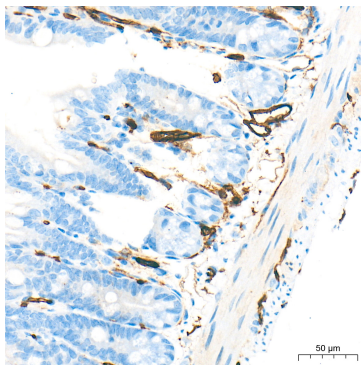
## Validation Data



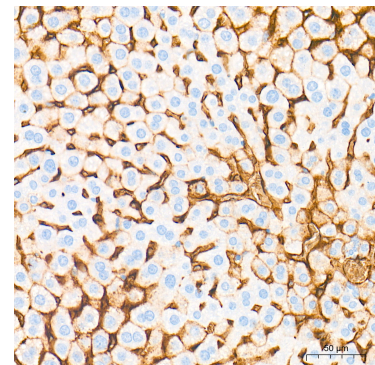
Western blot analysis of lysates from Mouse brown fat using CD36 Rabbit pAb (A5792SP) at 1:3000 dilution incubated overnight at 4°C.  
 Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
 Lysates/proteins: 25 µg per lane.  
 Blocking buffer: 3% nonfat dry milk in TBST.  
 Detection: ECL Basic Kit (RM00020).  
 Exposure time: 1 s.



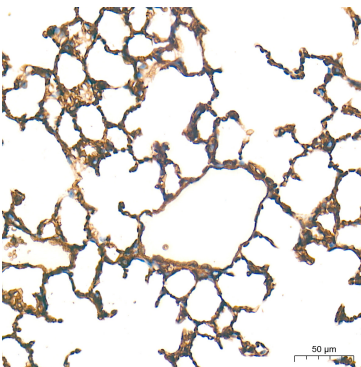
Immunofluorescence analysis of frozen sections of Mouse spleen using CD36 Rabbit pAb (A5792SP) at a dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining. Microwave antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining.



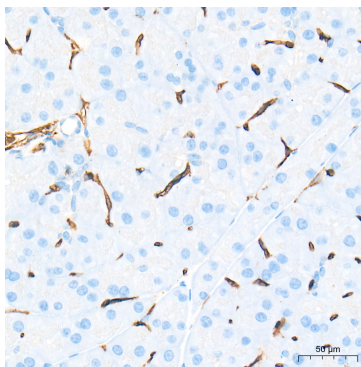
Immunohistochemistry analysis of paraffin-embedded Mouse intestine tissue using CD36 Rabbit pAb (A5792SP) at a dilution of 1:1000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



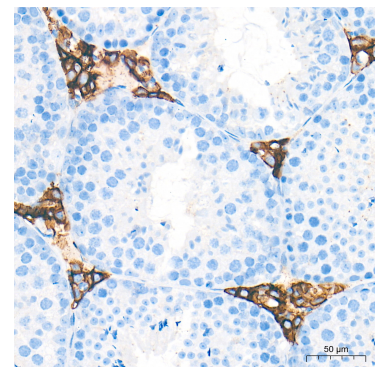
Immunohistochemistry analysis of paraffin-embedded Mouse liver tissue using CD36 Rabbit pAb (A5792SP) at a dilution of 1:1000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Mouse lung tissue using CD36 Rabbit pAb (A5792SP) at a dilution of 1:1000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Mouse pancreas tissue using CD36 Rabbit pAb (A5792SP) at a dilution of 1:1000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Mouse testis tissue using CD36 Rabbit pAb (A5792SP) at a dilution of 1:1000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.