**CD36 Polyclonal antibody**

**Catalog Number:** 18836-1-AP  
**Recommended Product**  
**148 Publications**

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**Basic Information**

- **Catalog Number:** 18836-1-AP  
- **Size:** 150μl, Concentration: 900 μg/ml by Nanodrop  
- **Source:** Rabbit  
- **Isotype:** IgG  
- **GenBank Accession Number:** BC008406  
- **GeneID (NCBI):** 948  
- **Full Name:** CD36 molecule (thrombospondin receptor)  
- **Calculated MW:** 472 aa, 53 kDa  
- **Observed MW:** 88 kDa  
- **Purification Method:** Antigen affinity purification  
- **Recommended Dilutions:**  
  - WB: 1:500-1:2000  
  - IHC: 1:400-1:1000

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**Applications**

- **Tested Applications:** IHC, WB, ELISA  
- **Cited Applications:** FC, IHC, WB  
- **Species Specificity:** human  
- **Cited Species:** human, goat, pig, bovine  

**Note:** IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

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**Background Information**

CD36, also named as GP3B and GP4, is an 88-kDa membrane glycoprotein present on platelets, monocytes, erythroid precursors, endothelial cells, and several tumor cell lines. CD36 binds to collagen, thrombospondin, anionic phospholipids, long chain fatty acids and may function in the transport and/or as a regulator of fatty acid transport and oxidized LDL. CD36 may function as a cell adhesion molecule. It mediates cytoadherence of Plasmodium falciparum parasitized erythrocytes. Mutation of CD36 will cause platelet glycoprotein IV deficiency which known as CD36 deficiency. Genetic variations in CD36 are associated with susceptibility to coronary heart disease type 7 (CHD57).

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**Notable Publications**

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**Storage**

- **Storage:** Store at -20°C. Stable for one year after shipment.  
- **Storage Buffer:** PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
- **Aliquoting is unnecessary for -20°C storage**  

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For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

*** 20ul sizes contain 0.1% BSA
Human peripheral blood platelets were subjected to SDS PAGE followed by western blot with 18836-1-AP (CD36 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.

Immunohistochemical analysis of paraffin-embedded human spleen tissue slide using 18836-1-AP (CD36 antibody) at dilution of 1:800 (under 10x lens).

Immunohistochemical analysis of paraffin-embedded human spleen tissue slide using 18836-1-AP (CD36 antibody) at dilution of 1:800 (under 40x lens).