For Research Use Only

CD36 Polyclonal antibody

Catalog Number:18836-1-AP Featured Product 213 Publications

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Basic Information

Catalog Number:
18836-1-AP

Size:
150ul , Concentration: 900 ug/ml by Nanodrop;

Source:
Rabbit

Isotype:
IgG

GenBank Accession Number:
BC008406

GeneID (NCBI):
948

UNIPROT ID:
P16671

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

Applications

Tested Applications:
WB, IHC, ELISA

Cited Applications:
WB, IHC, IP, CoIP

Species Specificity:
human

Cited Species:
human, pig, bovine, goat

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

Positive Controls:

WB : Human peripheral blood platelets,

IHC : human spleen tissue, human liver tissue, human heart tissue

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 (CHDS7).

Notable Publications

Author	Pubmed ID	Journal	Application
Linfeng Ma	33007364	Toxicology	WB
Meng Zhang	28961281	PLoS One	WB,IHC
Dan Zhao	32963108	J Biol Chem	

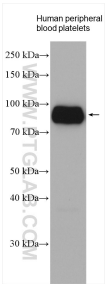
Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

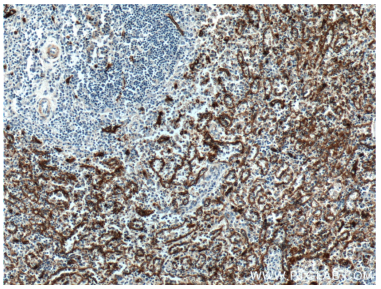
*** 20ul sizes contain 0.1% BSA

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

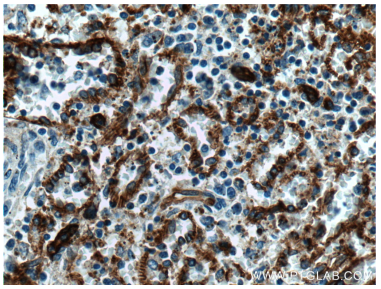
Selected Validation Data



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).