

Anti-CD36 Polyclonal Antibody

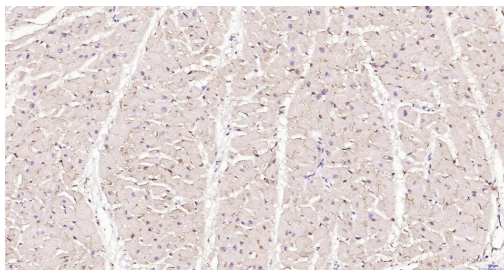
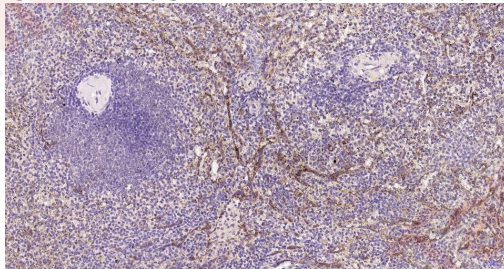
Product Details

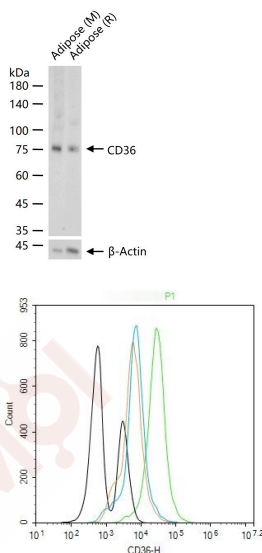
Ig Type:	IgG
Reactivity:	Mouse,Rat (predicted:Human)
Molecular Weight:	Theoretical: 52 kDa. Actual: 77 kDa.
Purification:	Protein A purified

Applications

Verified Activity:

1. Paraformaldehyde-fixed, paraffin embedded Human Spleen; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with CD36 Polyclonal Antibody, Unconjugated (TMAB-00359) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit) and DAB staining.
2. Paraformaldehyde-fixed, paraffin embedded Human Heart; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with CD36 Polyclonal Antibody, Unconjugated (TMAB-00359) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit) and DAB staining.
3. 25 µg total protein per Lane of various lysates probed with CD36 polyclonal antibody, unconjugated (TMAB-00359) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at RT for 60 min.
4. The U937 (H) cells were incubated in 5% BSA to block non-specific protein-protein interactions (30 min at room temperature). Primary Antibody (green): Rabbit Anti-CD36 antibody (TMAB-00359): 1 µg/10⁶ cells; Secondary Antibody (white blue): Goat anti-Rabbit IgG-FITC: 1 µg/test. Isotype Control (orange): Rabbit IgG. Blank control (black): PBS.





Application: IP, WB
 Recommended IP=1:20-50; WB=1:500-2000

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
 Shipping: Shipping with blue ice.

Antigen Details

Immunogen: KLH conjugated synthetic peptide: human CD36
 Antigen Species: Human
 Gene ID: 948
 Uniprot ID: P16671
 Synonyms: FAT; PAS-4; SR-B3; FATCHDS7; SCARB3; SRB3; BDPLT10; GPIIb; CD36; PAS IV; GP3B; GPIV; CHDS7
 Metabolism of lipids and lipoproteins, Endothelial Cell Markers, Lipid transport, Platelets,
 Biology Area: Platelets, Lipid metabolism, Heart disease, Defensin, Endothelial Markers, Human Lineage
 Negative

Research 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. [provided by RefSeq, Feb 2014]

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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