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Datasheet for ABIN5663919
anti-CD36 antibody (AA 301-400)

2 Images

1 Publication

Overview

Quantity:	100 µL
Target:	CD36
Binding Specificity:	AA 301-400
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (IHC)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 301-400 of human CD36/SR-B3 (NP_001120916.1).
Sequence:	ASPVENPDNY CFCTEKIISK NCTSYGVLDI SKCKEGRPVY ISLPHFLYAS PDVSEPIDGL NPNEEEHRTY LDIEPITGFT LQFAKRLQVN LLVKPSEIQ
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	CD36
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Target Details

Alternative Name: [CD36 \(CD36 Products\)](#)

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.,BDPLT10,CHDS7,FAT,GP3B,GP4,GPIV,PASIV,SCARB3,CD36,Cancer,Endocrine & Metabolism,Lipid Metabolism,Immunology & Inflammation,CD markers,Stem Cells,Endothelial Progenitors,Hematopoietic Progenitors,Cardiovascular,Blood,Heart,Lipids,Cardiovascular diseases,Heart disease,CD36

Molecular Weight: 32 kDa/46 kDa/48 kDa/53 kDa

Gene ID: 948

UniProt: [P16671](#)

Pathways: [TLR Signaling](#), [Peptide Hormone Metabolism](#), [Response to Growth Hormone Stimulus](#), [Activation of Innate immune Response](#), [Cellular Response to Molecule of Bacterial Origin](#), [Regulation of Lipid Metabolism by PPARalpha](#), [Positive Regulation of Immune Effector Process](#), [Production of Molecular Mediator of Immune Response](#), [Hepatitis C](#), [Toll-Like Receptors Cascades](#), [Lipid Metabolism](#), [S100 Proteins](#)

Application Details

Application Notes: WB,1:500 - 1:2000,IHC,1:50 - 1:200,IF,1:50 - 1:200

Restrictions: For Research Use only

Handling

Buffer: PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

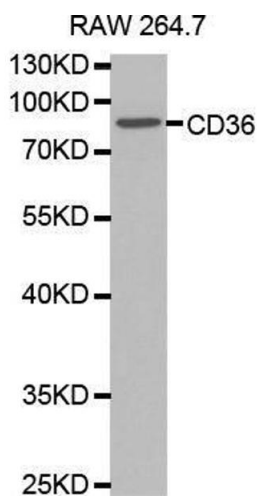
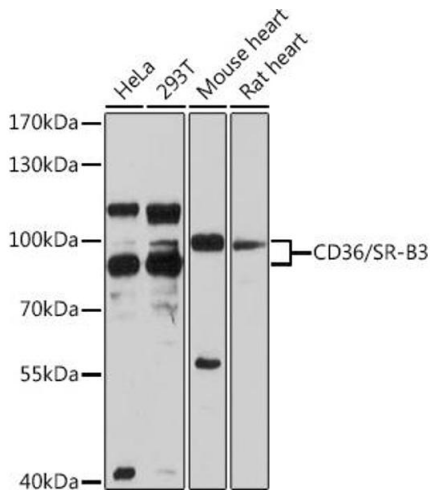
Storage: -20 °C

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

Publications

Product cited in: Zhong, Gong, Gong, Hua, Zeng, Gao: "IgG Immunocomplexes Sensitize Human Monocytes for Inflammatory Hyperactivity via Transcriptomic and Epigenetic Reprogramming in Rheumatoid Arthritis." in: **Journal of immunology (Baltimore, Md. : 1950)**, Vol. 200, Issue 12, pp. 3913-3925, (2019) ([PubMed](#)).

Images



Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using CD36/SR-B3 antibody (ABIN3015504, ABIN3015505, ABIN1679086, ABIN5663919 and ABIN6218561) at 1:3000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) 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: 90s.

Western Blotting

Image 2. Western blot analysis of extracts of RAW264.7 cells lines, using CD36 antibody.