

CD36 Polyclonal Antibody | anti-CD36 antibody

Anti-CD36 Antibody

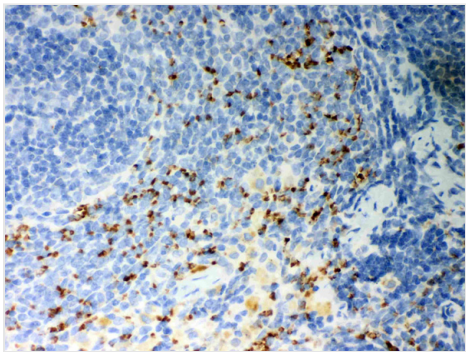
CATALOG # AAA46317	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

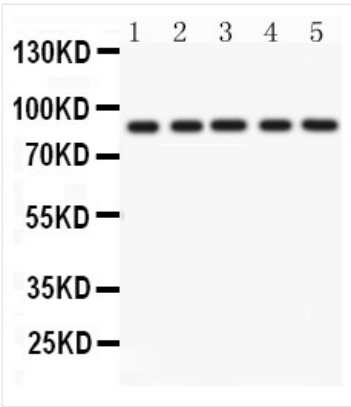
CD36; Polyclonal Antibody; Anti-CD36 Antibody; Platelet glycoprotein 4; Adipocyte membrane protein; CD36 antigen (collagen type I receptor; thrombospondin receptor); CD36 antigen; CD36 molecule (thrombospondin receptor); CD36 molecule; CD36_HUMAN; CHDS7; Cluster determinant 36; Collagen receptor; platelet; FAT; Fatty acid translocase; Fatty acid transport protein; Glycoprotein IIIb; GP IIIb; GP3B; GP4; GPIIB; GPIV; Leukocyte differentiation antigen CD36; MGC108510; MGC91634; PAS 4 protein; PAS IV; PAS-4; PASIV; Platelet collagen receptor; Platelet glycoprotein IV; scarb3; Scavenger receptor class B member 3; Thrombospondin receptor; anti-CD36 antibody

PRODUCT SPECIFICATIONS

Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Purity/Purification	Immunogen Affinity Purified
Form/Format	Lyophilized. Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Sequence Length	472
Applicable Applications for anti-CD36 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human CD36 (31-66aa DLLIQKTIKKQVVLEEGTIAFKNWVKTGTEVYRQFW), different from the related mouse sequence by six amino acids, and from the related rat sequence by four amino acids.
Ig Type	Rabbit IgG
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquoted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.



IHC (Immunohistochemistry)
Anti- CD36 Picoband antibody, AAA46317, IHC(P)IHC(P): Rat Spleen Tissue



WB (Western Blot)
Anti- CD36 Picoband antibody, AAA46317, Western blottingAll lanes: Anti CD36 (AAA46317) at 0.5ug/mlLane 1: Rat Liver Tissue Lysate at 50ugLane 2: Rat Cardiac Muscle Tissue Lysate at 50ugLane 3: Mouse Liver Tissue Lysate at 50ugLane 4: Mouse Cardiac Muscle Tissue Lysate at 50ugLane 5: SMMC Whole Cell Lysate at 40ugPredicted bind size: 53KDObserved bind size: 88KD

ADDITIONAL INFORMATION

Related Product Information for anti-CD36 antibody	Description: Rabbit IgG polyclonal antibody for Platelet glycoprotein 4(CD36) detection. Tested with WB, IHC-P in Human;Mouse;Rat. Background: CD36 (cluster of differentiation 36), also known as FAT (fatty acid translocase), FAT/CD36, (FAT)/CD36, SCARB3, GP88, glycoprotein IV (gpIV), and glycoprotein IIIb (gpIIIb), is anintegral membrane protein found on the surface of many cell types in vertebrate animals. CD36 is a member of the class B scavenger receptor family of cell surface proteins. It is mapped to 7q21.11. And CD36 binds many ligands including collagen, thrombospondin, erythrocytes parasitized with Plasmodium falciparum, oxidized low density lipoprotein, native lipoproteins, oxidized phospholipids, and long-chain fatty acids. In addition, CD36 function in long-chain fatty acid uptake and signaling can be irreversibly inhibited by sulfo-N-succinimidyl oleate (SSO), which binds lysine 164 within a hydrophobic pocked shared by several CD36 ligands, e.g. fatty acid and oxLDL.
References	1. Tandon NN, Kralisz U, Jamieson GA (5 May 1989). "Identification of glycoprotein IV (CD36) as a primary receptor for platelet-collagen adhesion". J. Biol. Chem. 264 (13): 7576-83. PMID 2468670. 2. Jump up ^ Silverstein RL, Baird M, Lo SK, Yesner LM (15 August 1992). "Sense and antisense cDNA transfection of CD36 (glycoprotein IV) in melanoma cells. Role of CD36 as a thrombospondin receptor". J. Biol. Chem. 267 (23): 16607-12. PMID 1379600. 3. Kuda O, Pietka TA, Demianova Z, Kudova E, Cvacka J, Kopecky J, Abumrad NA (May 2013). "Sulfo-N-succinimidyl Oleate (SSO) Inhibits Fatty Acid Uptake and Signaling for Intracellular Calcium via Binding CD36 Lysine 164: SSO ALSO INHIBITS OXIDIZED LOW DENSITY LIPOPROTEIN UPTAKE BY MACROPHAGES.". J. Biol. Chem. 288 (22): 15547-55. doi:10.1074/jbc.M113.473298.PMID 23603908.

NCBI AND UNIPROT INFORMATION

NCBI GI #	48375178
NCBI GeneID	948
NCBI Accession #	NP_000063.2
NCBI GenBank Nucleotide #	NM_000072.3
UniProt Accession #	P16671; Q13966; Q16093; Q8TCV7; Q9BPZ8; Q9BQC2; Q9BZM8; Q9BZN3; D9IX66; D9IX67; D9IX68; D9IX69
Molecular Weight	46,090 Da
NCBI Official Full Name	platelet glycoprotein 4 isoform 1
NCBI Official Synonym Full Names	CD36 molecule
NCBI Official Symbol	CD36

NCBI Official Synonym Symbols	FAT; GP4; GP3B; GPIV; CHDS7; PASIV; SCARB3; BDPLT10
NCBI Protein Information	platelet glycoprotein 4
UniProt Protein Name	Platelet glycoprotein 4
UniProt Gene Name	CD36
UniProt Synonym Gene Names	GP3B; GP4; FAT; GPIIB; GPIV
UniProt Entry Name	CD36_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/cd36-antibody-immunohistochemistry-western-blot-elisa/46317>