

# CD36 Polyclonal Antibody

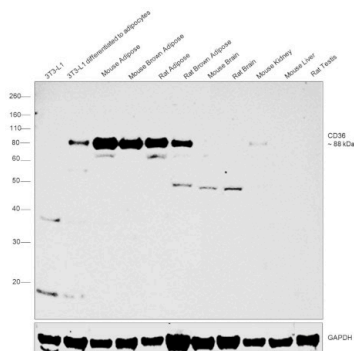
Product Details	
Size	100 µL
Species Reactivity	Bovine, Human, Mouse, Non-human primate, Pig, Rabbit, Rat
Published Species	Non-human primate, Mouse, Human
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Synthetic peptide corresponding to a region of human CD36 between residues 100-200.
Form	Liquid
Concentration	1 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	PBS
Contains	0.02% sodium azide
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_568487

Applications	Tested Dilution	Publications
Western Blot (WB)	1:500-1:2,000	11 Publications
Immunohistochemistry (IHC)	-	3 Publications
Immunohistochemistry (Paraffin) (IHC (P))	1:200-1:400	1 Publication
Immunohistochemistry (Frozen) (IHC (F))	Assay-Dependent	-
Immunocytochemistry (ICC/IF)	1:50-1:200	2 Publications

## Product Specific Information

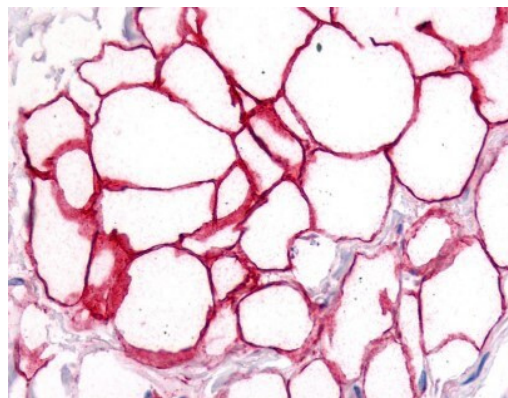
This antibody shares 95% sequence homology with rat.

## Product Images For CD36 Polyclonal Antibody



### CD36 Antibody (PA1-16813)

Antibody specificity was demonstrated by detection of differential basal expression of the target across cell lines and tissues owing to their inherent genetic constitution. Relative expression of Platelet glycoprotein 4 was observed in 3T3-L1 upon differentiation to adipocytes when compared to undifferentiated 3T3-L1; also the expression was higher in adipose and brown adipose when compared to other tissues tested using Anti-CD36 Polyclonal Antibody (Product # PA1-16813) in Western Blot. {RE}

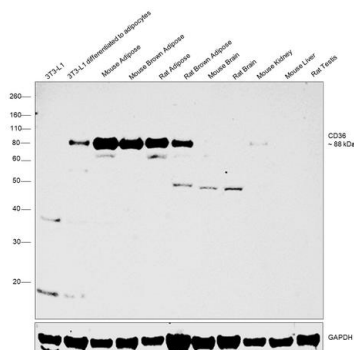


### CD36 Antibody (PA1-16813) in IHC (P)

Immunohistochemical analysis of CD36 in human adipocytes. Samples were incubated in CD36 polyclonal antibody (Product # PA1-16813).

### CD36 Antibody (PA1-16813) in WB

Western Blot was performed using Anti-CD36 Polyclonal Antibody (Product # PA1-16813) and a 88 kDa band corresponding to glycosylated form of Platelet glycoprotein 4 was observed in 3T3-L1 upon differentiation to adipocytes. Also, the protein expression was observed to be higher in adipose and brown adipose tissues when compared to other tissues tested. Membrane enriched extracts (30 µg lysate) of 3T3-L1 (Lane 1), 3T3-L1 differentiated to adipocytes (Lane 2), Mouse Adipose (Lane 3), Mouse Brown Adipose (Lane 4), Rat Adipose (Lane 5), Rat Brown Adipose (Lane 6), Mouse Brain (Lane 7), Rat Brain (Lane 8), Mouse Kidney (Lane 9), Mouse Liver (Lane 10) and Rat Testis (Lane 11) were electrophoresed using NuPAGE™ 4-12% Bis-Tris Protein Gel (Product # NP0322BOX). Resolved proteins were then transferred onto a Nitrocellulose membrane (Product # IB23002) by iBlot® 2 Dry Blotting System (Product # IB21001). The Blot was probed with the primary antibody (1:1000 dilution) and detected by chemiluminescence with Goat anti-Rabbit IgG (Heavy Chain) Superclonal™ Recombinant Secondary Antibody, HRP (Product # A27036, 1:6000 dilution) using the iBright FL 1000 (Product # A32752). Chemiluminescent detection was performed using Novex® ECL Chemiluminescent Substrate Reagent Kit (Product # WP20005).



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## Western Blot (11)

FASEB journal : official publication of the Federation of American Societies for Experimental Biology

### Colchicine exerts anti-atherosclerotic and -plaque-stabilizing effects targeting foam cell formation.

"PA1-16813 was used in Immunohistochemistry to show that colchicine exerts anti-atherosclerotic and plaque-stabilizing effects at low dose by inhibiting foam cell formation and cholesterol crystal-induced inflammation."

Authors: Schwarz N, Fernando S, Chen YC, Salagaras T, Rao SR, Liyanage S, Williamson AE, Toledo-Flores D, Dimasi C, Sargeant TJ, Manavis J, Eddy E, Kanellakis P, Thompson PL, Tan JTM, Snel MF, Bursill CA, Nicholls SJ, Peter K, Psaltis PJ

Year  
2023

Species  
Mouse

Endocrine

### Chronic angiotensin receptor activation promotes hepatic triacylglycerol accumulation during an acute glucose challenge in obese-insulin-resistant OLETF rats.

"Published figure using CD36 polyclonal antibody (Product # PA1-16813) in Western Blot"

Authors: Godoy-Lugo JA, Thorwald MA, Hui DY, Nishiyama A, Nakano D, Soñanez-Organis JG, Ortiz RM

Year  
2022

[View more WB references on thermofisher.cn](#)

## Immunohistochemistry (3)

FASEB journal : official publication of the Federation of American Societies for Experimental Biology

### Colchicine exerts anti-atherosclerotic and -plaque-stabilizing effects targeting foam cell formation.

"PA1-16813 was used in Immunohistochemistry to show that colchicine exerts anti-atherosclerotic and plaque-stabilizing effects at low dose by inhibiting foam cell formation and cholesterol crystal-induced inflammation."

Authors: Schwarz N, Fernando S, Chen YC, Salagaras T, Rao SR, Liyanage S, Williamson AE, Toledo-Flores D, Dimasi C, Sargeant TJ, Manavis J, Eddy E, Kanellakis P, Thompson PL, Tan JTM, Snel MF, Bursill CA, Nicholls SJ, Peter K, Psaltis PJ

Year  
2023

Species  
Mouse

The journal of maternal-fetal & neonatal medicine : the official journal of the European Association of Perinatal Medicine, the Federation of Asia and Oceania Perinatal Societies, the International Society of Perinatal Obstetricians

### Fatty acid transporter expression and regulation is impaired in placental macrovascular endothelial cells in obese women.

"Published figure using CD36 polyclonal antibody (Product # PA1-16813) in Immunohistochemistry"

Authors: Yang X, Glazebrook P, Ranasinghe GC, Haghiaç M, Calabuig-Navarro V, Minium J, O'Tierney-Ginn P

Year  
2019

[View more IHC references on thermofisher.cn](#)

## More applications with references on thermofisher.cn

IHC (P) (1)

ICC/IF (2)

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