

CD36 Polyclonal Antibody

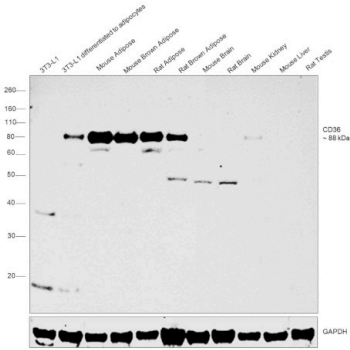
Product Details	
Size	100 µL
Species Reactivity	Bovine, Human, Mouse, Non-human primate, Pig, Rabbit, Rat
Published Species	Non-human primate, Human, Mouse
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Synthetic peptide corresponding to a region of human CD36 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	9 Publications
Immunohistochemistry (IHC)	-	2 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

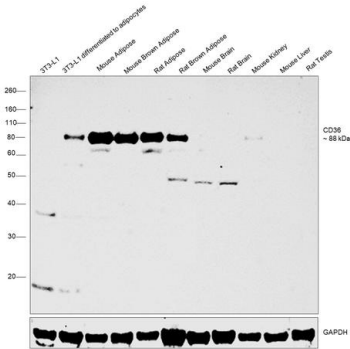


CD36 Antibody (PA1-16813)

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}

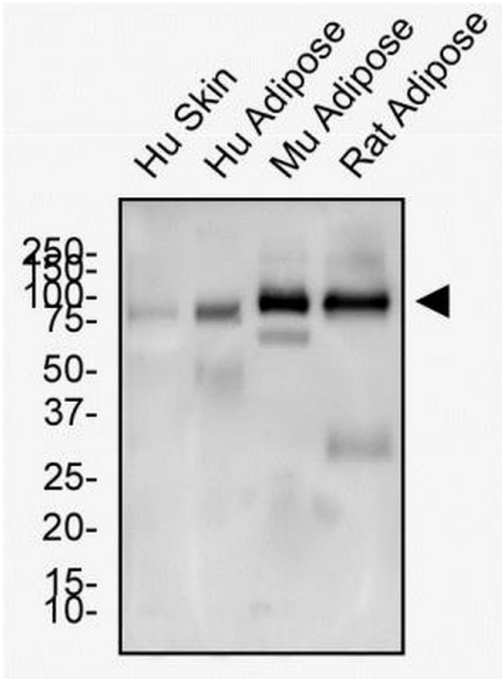
CD36 Antibody (PA1-16813) in WB

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).



CD36 Antibody (PA1-16813) in WB

Western blot analysis of CD36 in human Skin and Adipose tissue, mouse Adipose and Rat Adipose tissue. Samples were incubated in CD36 polyclonal antibody (Product # PA1-16813) using a dilution of 2 µg/mL followed by an anti-rabbit HRP secondary antibody. Separated on a 12% gel by SDS-PAGE, transferred to PVDF membrane and blocked in 5% non-fat milk in TBST. Detection: chemiluminescence.



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Western Blot (9)

<p>Life (Basel, Switzerland)</p> <p>Physiological Doses of Hydroxytyrosol Modulate Gene Expression in Skeletal Muscle of Exercised Rats.</p> <p>"PA1-16813 was used in Western Blotting to test whether physiological doses of hydroxytyrosol (HT) may alter the mRNA transcription of key metabolic genes in exercised skeletal muscle."</p> <p>Authors: Casuso RA,Al Fazazi S,Plaza-Díaz J,Ruiz-Ojeda FJ,Rueda-Robles A,Aragón-Vela J,Huertas JR</p>	<p>Year 2021</p> <p>Species Mouse</p>
<p>Antioxidants & redox signaling</p> <p>Oxidation of Hemoglobin Drives a Proatherogenic Polarization of Macrophages in Human Atherosclerosis.</p> <p>"PA1-16813 was used in Western Blot to conclude that ferrylHb in atherosclerotic lesion provokes the progression of the disease via polarizing macrophages."</p> <p>Authors: Potor L,Hendrik Z,Patsalos A,Katona É,Méhes G,Póliska S,Cssz É,Kalló G,Komáromi I,Combi Z,Posta N,Sikura KÉ,Peth D,Oros M,Vereb G,Tóth C,Gergely P,Nagy L,Balla G,Balla J</p>	<p>Year 2021</p> <p>Species Human</p> <p>Dilution 1:1000</p>

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Immunohistochemistry (2)

<p>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</p> <p>Fatty acid transporter expression and regulation is impaired in placental macrovascular endothelial cells in obese women.</p> <p>"Published figure using CD36 polyclonal antibody (Product # PA1-16813) in Immunohistochemistry"</p> <p>Authors: Yang X,Glazebrook P,Ranasinghe GC,Haghiac M,Calabuig-Navarro V,Minium J,O'Tierney-Ginn P</p>	<p>Year 2019</p>
<p>Stem cell research</p> <p>Heterogeneity and immunophenotypic plasticity of malignant cells in human liposarcomas.</p> <p>"Published figure using CD36 polyclonal antibody (Product # PA1-16813) in Immunofluorescence"</p> <p>Authors: Zhang Y,Young ED,Bill K,Belousov R,Peng T,Lazar AJ,Pollock RE,Simmons PJ,Lev D,Kolonin MG</p>	<p>Year 2013</p> <p>Species Human</p>

More applications with references on thermofisher.com

IHC (P) (1)	ICC/IF (2)
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