

Adiponectin Recombinant Polyclonal Antibody

Product Details	
Size	100 µg
Species Reactivity	Human, Mouse, Rat
Host/Isotype	Rabbit / IgG
Expression system	Expi293
Class	Recombinant Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Recombinant protein corresponding to amino acids 57-244 of human adiponectin
Form	Liquid
Concentration	0.5 mg/mL
Purification	Protein A
Storage buffer	PBS
Contains	0.09% sodium azide
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2532606

Applications	Tested Dilution	Publications
Western Blot (WB)	1-2 µg/mL	1 Publication
Immunohistochemistry (Paraffin) (IHC (P))	1:100	-
Immunocytochemistry (ICC/IF)	5 µg/mL	-

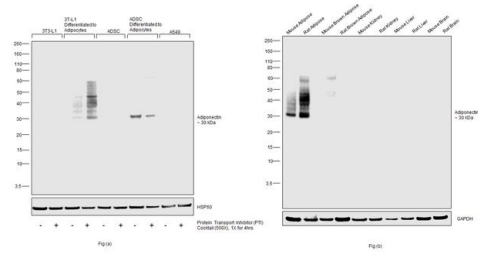
Product Specific Information

Recombinant rabbit polyclonal antibodies are unique offerings from Thermo Fisher Scientific. They are comprised of a selection of multiple different recombinant monoclonal antibodies, providing the best of both worlds - the sensitivity of polyclonal antibodies with the specificity of monoclonal antibodies - all delivered with the consistency only found in a recombinant antibody. While functionally the same as a polyclonal antibody - recognizing multiple epitope sites on the target and producing higher detection sensitivity for low abundance targets - a recombinant rabbit polyclonal antibody has a known mixture of light and heavy chains. The exact population can be produced in every lot, circumventing the biological variability typically associated with polyclonal antibody production.

Product Images For Adiponectin Recombinant Polyclonal Antibody

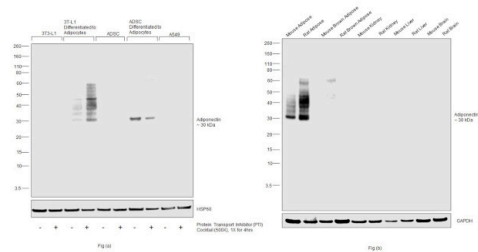
Adiponectin Antibody (710179) in WB

Western blot was performed using Anti-Adiponectin (Product # 710179) and a 30 kDa band corresponding to Adiponectin was observed across cell lines and tissues tested. Whole cell extracts (30 µg lysate) of (Fig. a) 3T3-L1 (Lane 1), 3T3-L1 treated with PTI (1X, 4hrs) (Lane 2), 3T3-L1 differentiated to Adipocytes (Lane 3), 3T3-L1 differentiated to Adipocytes further treated with PTI (1X, 4hrs) (Lane 4), ADSC (Lane 5), ADSC treated with PTI (1X, 4hrs) (Lane 6), ADSC differentiated to Adipocytes (Lane 7), ADSC differentiated to Adipocytes further treated with PTI (1X, 4hrs) (Lane 8) and A549 (Lane 9), A549 treated with PTI (1X, 4hrs) (Lane 10); (Fig. b) Mouse Adipose (Lane 1), Rat Adipose (Lane 2), Mouse Brown Adipose (Lane 3), Rat Brown Adipose (Lane 4), Mouse Kidney (Lane 5), Rat Kidney (Lane 6), Mouse Liver (Lane 7), Rat Liver (Lane 8), Mouse Brain (Lane 9) and Rat Brain (Lane 10) were electrophoresed using NuPAGE™ 4-12% Bis-Tris Protein Gel (Product # NP0321BOX). 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 µg/mL) and detected by chemiluminescence with Goat anti-Rabbit IgG (Heavy Chain) Superclonal™ Recombinant Secondary Antibody, HRP (Product # A27036, 1:20000 dilution) using the iBright FL 1000 (Product # A32752). Chemiluminescent detection was performed using SuperSignal™ West Pico PLUS Chemiluminescent Subst



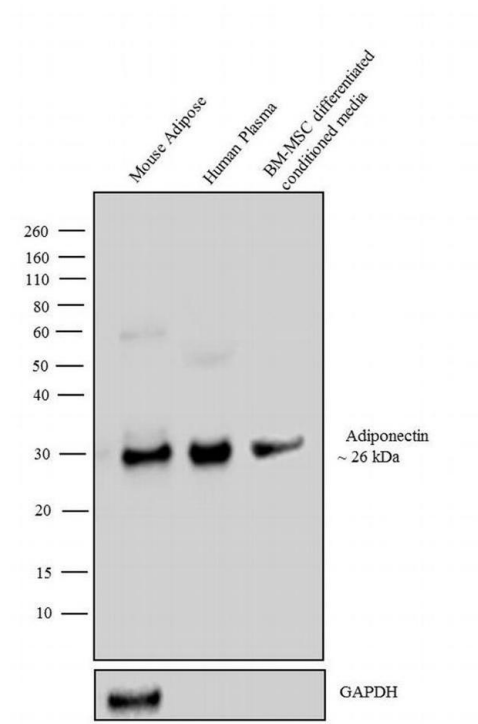
Adiponectin Antibody (710179)

Antibody specificity was demonstrated by detection of differential basal expression of the target across cell lines and Tissues tested owing to their inherent genetic constitution. Relative expression of Adiponectin was observed to be high in Adipocyte differentiated cells, which showed enhanced expression with PTI treatment in comparison to no expression in A549 treated with PTI as seen in Fig (a). Relative expression of Adiponectin was observed to be high in Mouse Adipose and Rat Adipose in comparison to other tissues which show no expression using Anti-Adiponectin (Product # 710179) in Western Blot. {RE}



Adiponectin Antibody (710179) in WB

Western blot analysis was performed on tissue extract (30 µg lysate) of Mouse Adipose (Lane 1), 2 µL of Human Plasma (Lane 2) and 2 µL of conditioned media from BM-MSC differentiated into adipocytes (Lane 3). The blot was probed with Anti-Adiponectin Recombinant Rabbit Polyclonal Antibody (Product # 710179, 2 µg/mL) and detected by chemiluminescence using Goat anti-Rabbit IgG (Heavy Chain) Superclonal™ Secondary Antibody, HRP conjugate (Product # A27036, 0.25 µg/mL, 1:4000 dilution). A 26 kDa band corresponding to Adiponectin was observed across the samples tested. Known quantity of protein samples were electrophoresed using Novex®NuPAGE®4-12 % Bis-Tris gel (Product # NP0321BOX), XCell SureLock™ Electrophoresis System (Product # EI0002) and Novex® Sharp Pre-Stained Protein Standard (Product # LC5800). Resolved proteins were then transferred onto a nitrocellulose membrane using the wet transfer system. The membrane was probed with the relevant primary and secondary antibody following blocking with 5 % skimmed milk. Chemiluminescent detection was performed using Pierce™ ECL Western blotting Substrate (Product # 32106).



View more figures on thermofisher.com

Western Blot (1)

Cell death & disease	Year 2022
Inhibition of the immunoproteasome modulates innate immunity to ameliorate muscle pathology of dysferlin-deficient BIAJ mice.	
"Published figure using Adiponectin recombinant polyclonal antibody (Product # 710179) in Western Blot"	
Authors: Farini A,Tripodi L,Villa C,Napolitano F,Strati F,Molinaro D,Facciotti F,Cassani B,Torrente Y	

For Research Use Only. Not for use in diagnostic procedures. Not for resale without express authorization. Products are warranted to operate or perform substantially in conformance with published Product specifications in effect at the time of sale, as set forth in the Production documentation, specifications and/or accompanying package inserts ("Documentation"). No claim of suitability for use in applications regulated by FDA is made. The warranty provided herein is valid only when used by properly trained individuals. Unless otherwise stated in the Documentation, this warranty is limited to one year from date of shipment when the Product is subjected to normal, proper and intended usage. This warranty does not extend to anyone other than the Buyer. Any model or sample furnished to Buyer is merely illustrative of the general type and quality of goods and does not represent that any Product will conform to such model or sample. NO OTHER WARRANTIES, EXPRESS OR IMPLIED, ARE GRANTED INCLUDING WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR NON INFRINGEMENT. BUYER'S EXCLUSIVE REMEDY FOR NON-CONFORMING PRODUCTS DURING THE WARRANTY PERIOD IS LIMITED TO REPAIR, REPLACEMENT OF OR REFUND FOR THE NON-CONFORMING PRODUCT(S) AT SELLER'S SOLE OPTION. THERE IS NO OBLIGATION TO REPAIR, REPLACE OR REFUND FOR PRODUCTS AS THE RESULT OF (I) ACCIDENT, DISASTER OR EVENT OF FORCE MAJEURE, (II) MISUSE, FAULT OR NEGLIGENCE OF OR BY BUYER, (III) USE OF THE PRODUCTS IN A MANNER FOR WHICH THEY WERE NOT DESIGNED, OR (IV) IMPROPER STORAGE AND HANDLING OF THE PRODUCTS. Unless otherwise expressly stated on the Product or in the documentation accompanying the Product, the Product is intended for research only and is not to be used for any other purpose, including without limitation, unauthorized commercial uses, in vitro diagnostic uses, ex vivo or in vivo therapeutic uses, or any type of consumption by or application to human or animals.