

XDH Polyclonal Antibody

Product Details	
Size	100 µL
Species Reactivity	Human, Rat
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	A synthesized peptide derived from human XDH(Accession P47989), corresponding to amino acid residues G575-E625.
Form	Liquid
Concentration	1 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.4, with 50% glycerol
Contains	0.02% sodium azide
Storage conditions	-20°C
RRID	AB_2852371

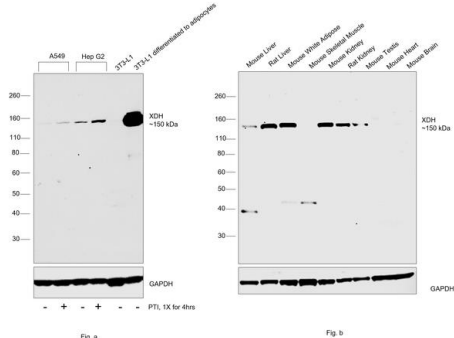
Applications	Tested Dilution	Publications
Western Blot (WB)	1:1,000-1:3,000	-
Immunohistochemistry (Paraffin) (IHC (P))	1:50-1:200	-
Immunocytochemistry (ICC/IF)	1:100	-

Product Specific Information

Antibody detects endogenous levels of total XDH.

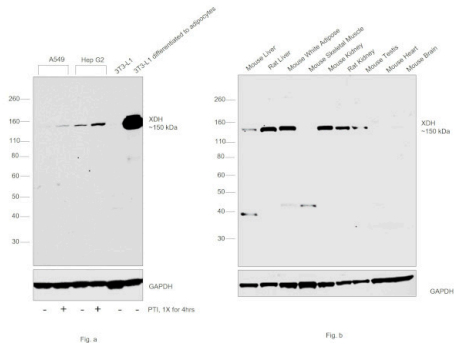
XDH Antibody (PA5-102999) in WB

Western blot was performed using Anti-XDH Polyclonal Antibody (Product # PA5-102999) and a 150 kDa band corresponding to XDH was upregulated in A549 and Hep G2 upon PTI treatment. The protein was upregulated in 3T3-L1 upon differentiation to adipocytes when compared to undifferentiated 3T3-L1; higher expression of protein was also observed in white adipose as compared to other tissues. Whole cell extracts (30 µg lysate) of A549 (Lane 1), A549 treated with PTI (1X, 4hrs) (Lane 2), Hep G2 (Lane 3), Hep G2 treated with PTI (1X, 4hrs) (Lane 4), 3T3-L1 (Lane 5), 3T3-L1 differentiated to adipocytes (Lane 6) in Fig. a; Mouse Liver (Lane 1), Rat Liver (Lane 2), Mouse White Adipose (Lane 3), Mouse Skeletal Muscle (Lane 4), Mouse Kidney (Lane 5), Rat Kidney (Lane 6), Mouse Testis (Lane 7), Mouse Heart (Lane 8) and Mouse Brain (Lane 9) were electrophoresed using NuPAGE™ 4-12% Bis-Tris Protein Gel (Product # NP0322BOX). Resolved proteins were then transferred onto a nitrocellulose membrane (Product # IB23001) 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, 1:20000 dilution) using the iBright™ FL1500 Imaging System (Product # A44115). Chemiluminescent detection was performed using SuperSignal™ West Pico PLUS Chemiluminescent Substrate (Product # 34580).



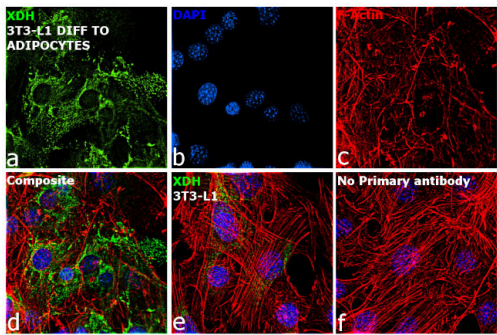
XDH Antibody (PA5-102999)

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 XDH was observed in protein which showed upregulation in 3T3-L1 upon differentiation to adipocytes when compared to undifferentiated 3T3-L1 and higher expression of protein was observed in white adipose in comparison to other tissues using Anti-XDH Polyclonal Antibody (Product # PA5-102999) in Western Blot. {RE}



XDH Antibody (PA5-102999)

Antibody specificity was demonstrated by detection of differential basal expression of the target across cell models owing to their inherent genetic constitution. Immunofluorescence analysis using Anti-XDH Polyclonal Antibody (Product # PA5-102999), shows upregulated protein expression in 3T3-L1 upon differentiation to adipocytes when compared to undifferentiated 3T3-L1. Relative Expression. {RE}



[View more figures on thermofisher.cn](https://www.thermofisher.cn)

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.