

# DOPA Decarboxylase Polyclonal Antibody

Product Details	
Size	100 µL
Species Reactivity	Bovine, Dog, Guinea pig, Human, Sheep, Rabbit, Rat
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Synthetic peptide corresponding to the N-terminal region of human DDC conjugated to KLH
Form	Liquid
Purification	Affinity chromatography
Storage buffer	0.01M HEPES, pH 7.5, with 0.15M NaCl, 100µg/mL BSA, 50% glycerol
Contains	no preservative
Storage conditions	-20° C, Avoid Freeze/Thaw Cycles
RRID	AB_2088961

Applications	Tested Dilution	Publications
Western Blot (WB)	1:1,000	-
Immunocytochemistry (ICC/IF)	1:100	-

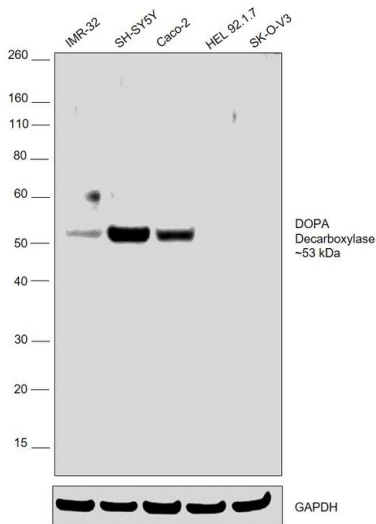
## Product Specific Information

This antibody is specific for the ~55 kDa DDC protein in Western blots of rat adrenal medulla.

Product Images For DOPA Decarboxylase Polyclonal Antibody

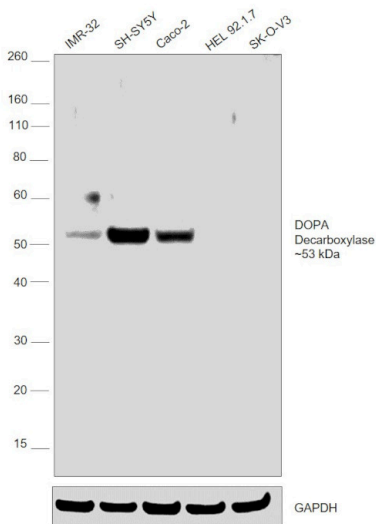
DOPA Decarboxylase Antibody (PA1-4652) in WB

Western blot was performed using Anti-DOPA Decarboxylase Polyclonal Antibody (Product # PA1-4652) and ~53 kDa band corresponding to DOPA Decarboxylase was observed in IMR-32, SH-SY5Y and Caco-2, but not in HEL. 92.1.7 and SK-O-V3 which are reported to be negative for DOPA Decarboxylase expression. Whole cell lysate (40 µg lysate) of IMR-32 (Lane 1), SH-SY5Y (Lane 2), Caco-2 (Lane 3), HEL 92.1.7 (Lane 4) and SK-O-V3 (Lane 5) were electrophoresed using Novex® NuPAGE® 4-12 % Bis-Tris 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 (1:1,000 dilution) and detected by chemiluminescence with Goat anti-Rabbit IgG (Heavy Chain) Superclonal™ Recombinant Secondary Antibody, HRP (Product # A27036, 1:4,000 dilution) using the iBright FL 1000 (Product # A32752). Chemiluminescent detection was performed using Novex® ECL Chemiluminescent Substrate Reagent Kit (Product # WP20005).



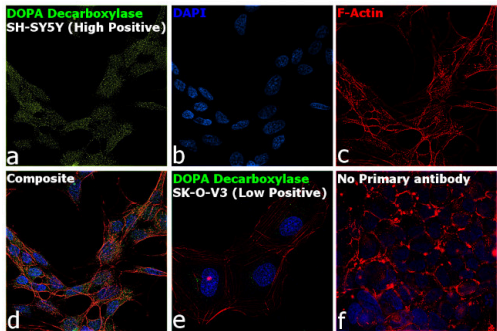
DOPA Decarboxylase Antibody (PA1-4652)

Antibody specificity was demonstrated by detection of differential basal expression of the target across cell lines owing to their inherent genetic constitution. Relative expression of DOPA Decarboxylase was observed in IMR-32, SH-SY5Y and Caco-2, when compared to HEL.92.1.7 and SK-O-V3 as reported using DOPA Decarboxylase Polyclonal Antibody (Product # PA1-4652) in western blot. {RE}



DOPA Decarboxylase Antibody (PA1-4652)

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-DOPA Decarboxylase Polyclonal Antibody (Product # PA1-4652) shows expression of DOPA Decarboxylase in SH-SY5Y cell line when compared to SK-O-V3. {RE}



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

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.