

HDAC2 Monoclonal Antibody (3F3)

Product Details	
Size	100 µL
Species Reactivity	Human, Mouse, Rat
Host/Isotype	Mouse / IgG1
Class	Monoclonal
Type	Antibody
Clone	3F3
Conjugate	Unconjugated
Immunogen	Synthetic peptide, corresponding to amino acids 473-488 of Human HDAC2
Form	Liquid
Concentration	1 mg/mL
Purification	Protein G
Storage buffer	PBS
Contains	0.1% sodium azide
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2539444

Applications	Tested Dilution	Publications
Western Blot (WB)	1:1,000-1:4,000	1 Publication
Immunohistochemistry (Paraffin) (IHC (P))	Assay-dependent	-
Immunocytochemistry (ICC/IF)	2 µg/mL	-
Flow Cytometry (Flow)	Assay-dependent	-
Immunoprecipitation (IP)	Assay-dependent	-
ChIP assay (ChIP)	2.5 µg/10 ⁶ cells	-

Product Specific Information

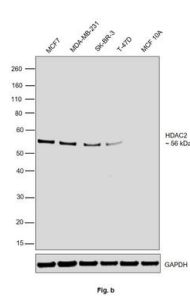
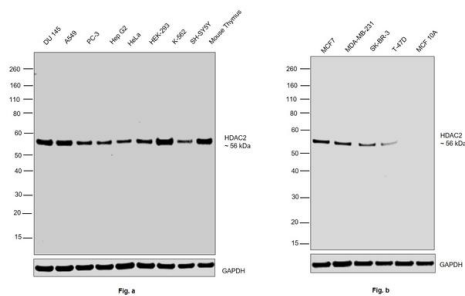
Western blot results show a band at 55 kDa, which matches the predicted molecular weight.

This antibody is predicted to detect HDAC2 in Chicken and Bovine samples.

Product Images For HDAC2 Monoclonal Antibody (3F3)

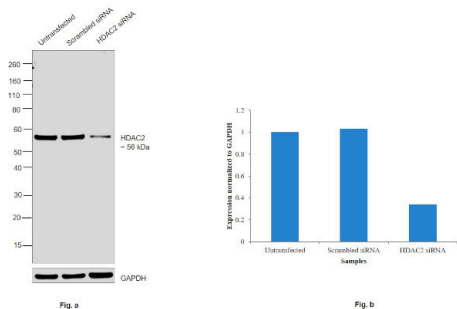
HDAC2 Antibody (MA5-18061) in WB

Western blot was performed using Anti-HDAC2 Monoclonal Antibody (3F3) (Product # MA5-18061) and a 56 kDa band corresponding to HDAC2 was observed across the cell lines except MCF 10A. (Fig. a) Modified whole cell extracts (1% SDS) (30 µg lysate) of DU 145 (Lane 1), A549 (Lane 2), PC-3 (Lane 3), Hep G2 (Lane 4), HeLa (Lane 5), HEK-293 (Lane 6), K-562 (Lane 7), SH-SY5Y (Lane 8) and tissue extract (30 µg lysate) of Mouse Thymus; (Fig. b) Modified whole cell extracts (1% SDS) (30 µg lysate) of MCF7 (Lane 1), MDA-MB-231 (Lane 2), SK-BR-3 (Lane 3), T-47D (Lane 4) and MCF 10A were electrophoresed using Novex® NuPAGE® 4-12 % Bis-Tris gel (Product # NP0321BOX). 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-Mouse IgG (H+L), Superclonal™ Recombinant Secondary Antibody, HRP (Product # A28177, 1:4000 dilution) using the iBright FL 1000 (Product # A32752). Chemiluminescent detection was performed using Novex® ECL Chemiluminescent Substrate Reagent Kit (Product # WP20005).



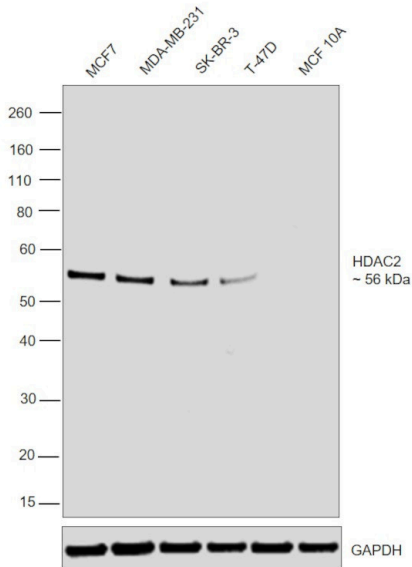
HDAC2 Antibody (MA5-18061)

Antibody specificity was demonstrated by siRNA mediated knockdown of target protein. HEK-293 cells were transfected with HDAC2 siRNA and reduction of signal was observed in Western Blot using HDAC2 Monoclonal Antibody (3F3) (Product # MA5-18061). {KD}



HDAC2 Antibody (MA5-18061)

Antibody specificity was demonstrated by detection of differential basal expression of the target across cell lines owing to their inherent genetic constitution. The expression was observed in all the breast cancer cell lines except MCF 10A using HDAC2 Monoclonal Antibody (3F3) (Product # MA5-18061) in Western Blot. {RE}



View more figures on thermofisher.cn

Western Blot (1)

Otology & neurotology : official publication of the American Otological Society, American Neurotology Society [and] European Academy of Otology and Neurotology	Year 2022
Effect of AR42 in Primary Vestibular Schwannoma Cells and a Xenograft Model of Vestibular Schwannoma.	
"Published figure using HDAC2 monoclonal antibody (Product # MA5-18061) in Western Blot"	
Authors: Misztal C,Bracho O,Bas E,Estivill M,Ivan ME,Morcos J,Bhatia R,Telischi F,Liu XZ,Gultekin SH,Fernandez- Valle C,Dinh CT	

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.