

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

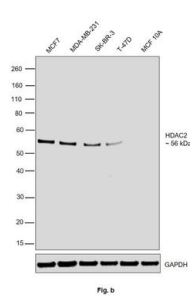
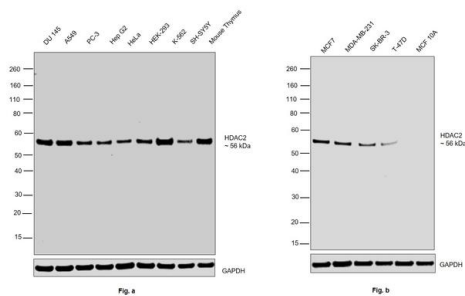
Western blot results show a band at 55 kDa, which matches the predicted molecular weight.

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

Product Images For HDAC2 Monoclonal Antibody (3F3)

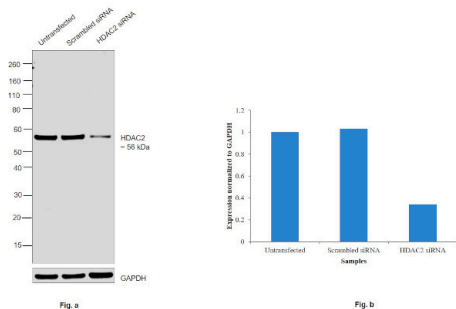
HDAC2 Antibody (MA5-18061) in WB

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).



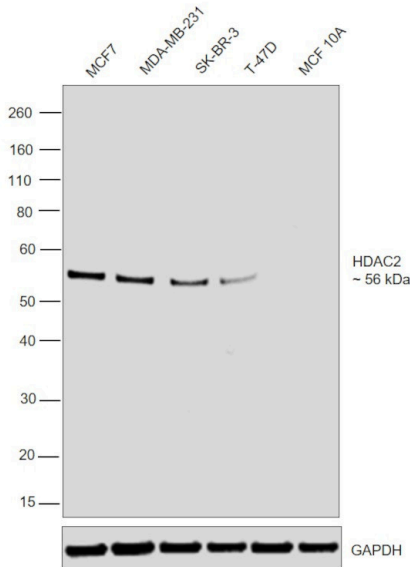
HDAC2 Antibody (MA5-18061)

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}



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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	

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