

HDAC1 Polyclonal Antibody

Product Details	
Size	100 µg
Species Reactivity	Human, Mouse, Rat
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Synthetic peptides corresponding to residues 1-5, 433-448, and 467-482 of human HDaC1.
Form	Liquid
Concentration	1 mg/mL
Purification	Protein G
Storage buffer	PBS
Contains	0.02% sodium azide
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_1074972

Applications	Tested Dilution	Publications
Western Blot (WB)	2 µg/mL	-
Immunohistochemistry (Paraffin) (IHC (P))	1:10-1:500	-
Immunohistochemistry (Frozen) (IHC (F))	1:10-1:500	-
Immunocytochemistry (ICC/IF)	1 µg/mL	-
ChIP assay (ChIP)	2.5 µg/10^6 cells	-

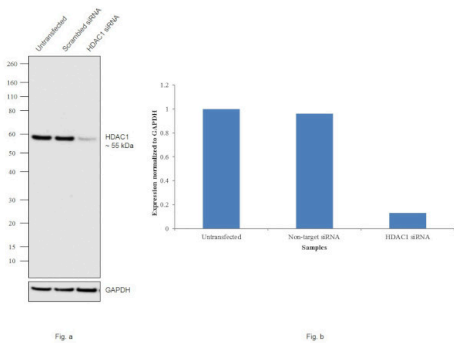
Product Specific Information

Suggested positive control: 293 whole cell lysate, antigen standard for HDAC1 (transient overexpression lysate).

Product Images For HDAC1 Polyclonal Antibody

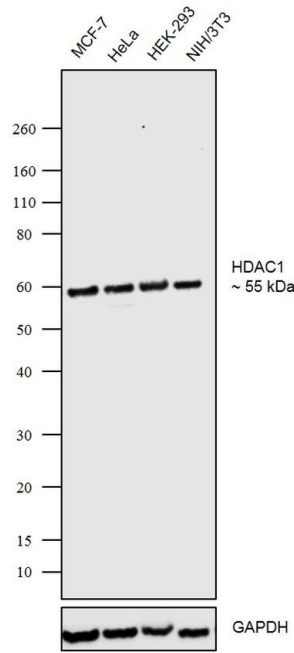
HDAC1 Antibody (PA1-41120)

Antibody specificity was demonstrated by siRNA mediated knockdown of target protein. MCF7 cells were transfected with HDAC1 siRNA and decrease in signal intensity was observed in western blot application using Anti- HDAC1 Polyclonal Antibody (Product # PA1-41120). {KD}



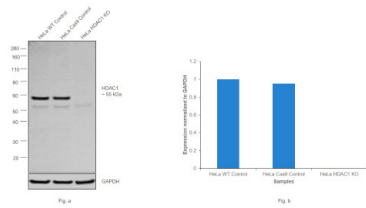
HDAC1 Antibody (PA1-41120) in WB

Western blot was performed using Anti-HDAC1 Polyclonal Antibody (Product # PA1-41120) and ~55 kDa band corresponding to HDAC1 was observed in MCF-7, HeLa, HEK-293 and NIH/3T3 cells. Modified whole cell extracts (1% SDS) (30 µg lysate) of MCF-7 (Lane 1), HeLa (Lane 2), HEK-293 (Lane 3) and NIH/3T3 (Lane 4) were electrophoresed using 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 (2 µg/mL) 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).



HDAC1 Antibody (PA1-41120)

Antibody specificity was demonstrated by CRISPR-Cas9 mediated knockout of target protein. A loss of signal was observed for target protein in HDAC1 KO cell line compared to control cell line using Anti-HDAC1 Polyclonal Antibody (Product # PA1-41120). {KO}



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