

Rabbit anti-Human Histone deacetylase 3 Polyclonal Antibody | anti-HDAC3 antibody

Rabbit anti-human Histone deacetylase 3 polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA229431	Rabbit	Human	Chromatin Immunoprecipitation, Immunoprecipitation, Immunohistochemistry, Western Blot, ELISA

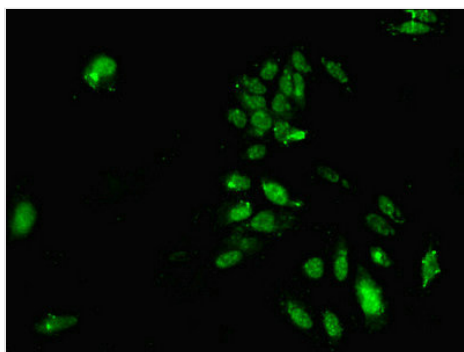
PRODUCT SYNONYMS

Histone deacetylase 3; Polyclonal Antibody; Rabbit anti-human Histone deacetylase 3 polyclonal Antibody; HD3; RPD3-2; SMAP45; HDAC3; anti-HDAC3 antibody

PRODUCT SPECIFICATIONS

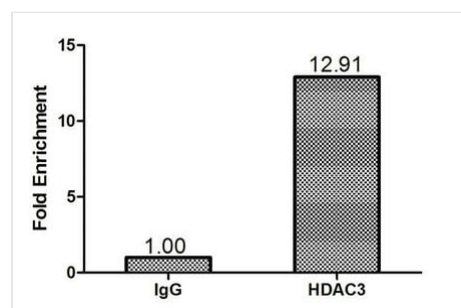
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Caprylic Acid Ammonium Sulfate Precipitation purified
Form/Format	Liquid
Sequence Length	428
Applicable Applications for anti-HDAC3 antibody	ChIP (Chromatin immunoprecipitation), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen	Recombinant human Histone deacetylase 3 protein(1-428aa)
Conjugation	Non-conjugated
Storage Buffer	Preservative: 0.03% Proclin 300; Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-8138 / sc-11417
Preparation and Storage	Shipped at 4 degree C. Upon delivery, aliquot and store at -20 degree C or -80 degree C.

IMAGES



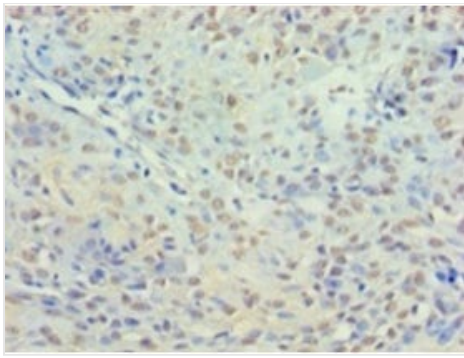
IF (Immunofluorescence)

Immunofluorescent analysis of HeLa cells using AAA229431 at a dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



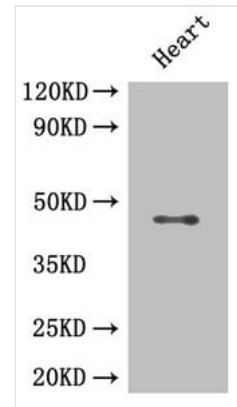
ChIP (Chromatin Immunoprecipitation)

Chromatin Immunoprecipitation HeLa(1.2¹⁰⁶)were cross-linked with formaldehyde, sonicated, and immunoprecipitated with 4ug anti-HDAC3 or a control normal rabbit IgG . The resulting ChIP DNA was quantified using real-time PCR with primers against the P21 promoter.



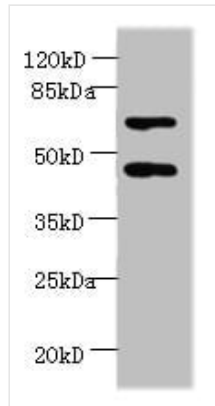
IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human breast cancer using AAA229431 at dilution 1:100



WB (Western Blot)

Western Blot Positive WB detected in: mouse heart All lanes: HDAC3 antibody at 2.5ug/ml Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 49,50 kDa Observed band size: 49 kDa



WB (Western Blot)

Western blot All lanes: Histone deacetylase 3 antibody at 2ug/ml + HeLa cells Secondary Goat polyclonal to rabbit at 1/10000 dilution Predicted band size: 49,50 kDa Observed band size: 49 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-HDAC3 antibody

Responsible for the deacetylation of lysine residues on the N-terminal part of the core histones (H2A, H2B, H3 and H4), and some other non-histone substrates. Histone deacetylation gives a tag for epigenetic repression and plays an important role in transcriptional regulation, cell cycle progression and developmental events. Histone deacetylases act via the formation of large multiprotein complexes. Participates in the BCL6 transcriptional repressor activity by deacetylating the H3 'Lys-27' (H3K27) on enhancer elements, antagonizing EP300 acetyltransferase activity and repressing proximal gene expression. Probably participates in the regulation of transcription through its binding to the zinc-finger transcription factor YY1; increases YY1 repression activity. Required to repress transcription of the POU1F1 transcription factor. Acts as a molecular chaperone for shuttling phosphorylated NR2C1 to PML bodies for sumoylation.

NCBI AND UNIPROT INFORMATION

NCBI GI #	13128862
NCBI GeneID	8841
NCBI Accession #	NP_003874.2
NCBI GenBank Nucleotide #	NM_003883.3
UniProt Accession #	O15379; O43268; Q9UEI5; Q9UEV0; D3DQE1
Molecular Weight	49,111 Da
NCBI Official Full Name	histone deacetylase 3

NCBI Official Synonym Full Names	histone deacetylase 3
NCBI Official Symbol	HDAC3
NCBI Official Synonym Symbols	HD3; RPD3; RPD3-2
NCBI Protein Information	histone deacetylase 3
UniProt Protein Name	Histone deacetylase 3
UniProt Gene Name	HDAC3
UniProt Synonym Gene Names	HD3
UniProt Entry Name	HDAC3_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/histone-deacetylase-3-antibody-chromatin-immunoprecipitation-immunohistochemistry-western-blot-elisa/229431>