

Rabbit HDAC3 Polyclonal Antibody | anti-HDAC3 antibody

Anti-HDAC3 antibody

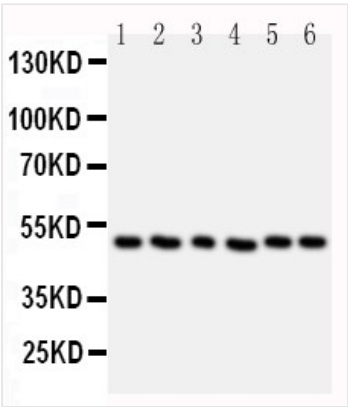
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA11582	Rabbit	Human, Mouse, Rat	Western Blot, Immunohistochemistry, Immunohistochemistry, Immunocytochemistry

PRODUCT SYNONYMS

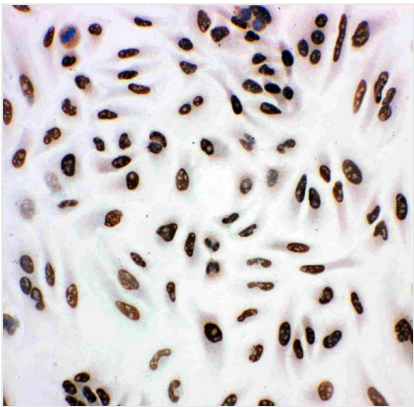
HDAC3; Polyclonal Antibody; Anti-HDAC3 antibody; Histone deacetylase 3(HD3); histone deacetylase 3; HD 3 antibody; HD3 antibody; HDAC 3 antibody; HDAC3 antibody; HDAC3_HUMAN antibody; Histone deacetylase 3(HD3)(RPD3-2) antibody; histone deacetylase 3 antibody; RPD 3 antibody; RPD3 2 antibody; RPD3 antibody; RPD3-2 antibody; SMAP 45 antibody; SMAP45 antibody; anti-HDAC3 antibody

PRODUCT SPECIFICATIONS

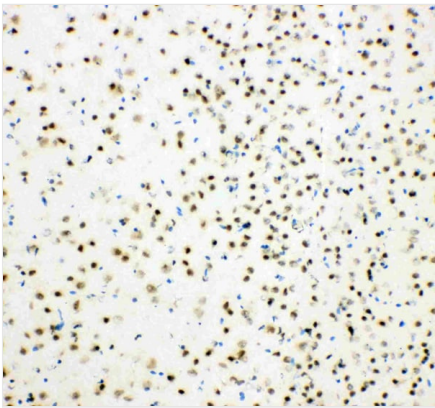
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized
Sequence Length	428
Applicable Applications for anti-HDAC3 antibody	WB (Western Blot), IHC (Immunohistochemistry), IHC (Immunohistochemistry), ICC (Immunocytochemistry)
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human HDAC3 (411-428aa NEFYDGDHDNDKESDVEI), identical to the related rat and mouse sequences.
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.



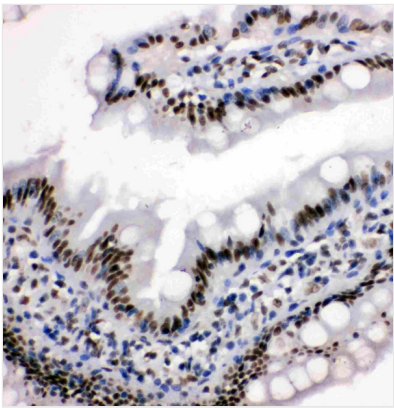
WB (Western Blot)
Anti-HDAC3 antibody, AAA11582, Western blottingLane 1: Rat Stomach Tissue LysateLane 2: Rat Testis Tissue LysateLane 3: MCF-7 Cell LysateLane 4: HELA Cell LysateLane 5: JURKAT Cell LysateLane 6: SKOV Cell Lysate



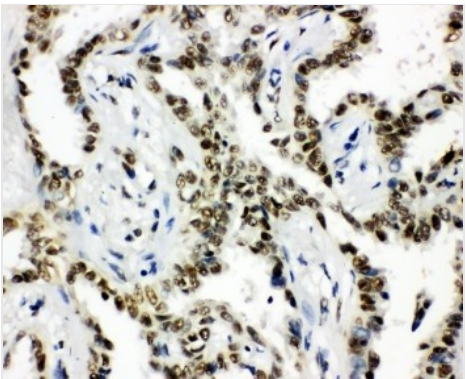
ICC (Immunocytochemistry)
Anti-HDAC3 antibody, AAA11582, ICCICC: A549 Cell



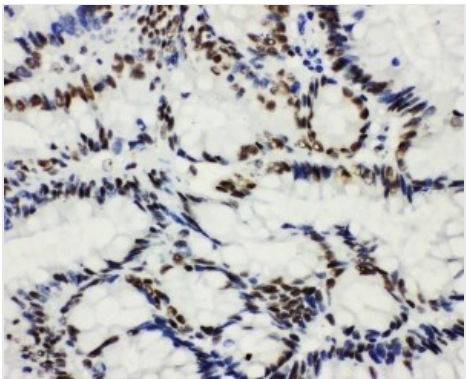
IHC (Immunohistochemistry)
Anti-HDAC3 antibody, AAA11582, IHC(F)IHC(F): Mouse Brain Tissue



IHC (Immunohistochemistry)
Anti-HDAC3 antibody, AAA11582, IHC(P)IHC(P): Rat Intestine Tissue



IHC (Immunohistochemistry)
Anti-HDAC3 antibody, AAA11582, IHC(P)IHC(P): Human Lung Cancer Tissue



IHC (Immunohistochemistry)
Anti-HDAC3 antibody, AAA11582, IHC(P)IHC(P): Human Intestinal Cancer Tissue

ADDITIONAL INFORMATION

Related Product Information for anti-HDAC3 antibody	Description: Rabbit IgG polyclonal antibody for Histone deacetylase 3(HDAC3) detection. Tested with WB, IHC-P, IHC-F, ICC in Human, Mouse, Rat. Background: HDAC3(HISTONE DEACETYLASE 3) is a member of the histone deacetylase/acuc/apha family of proteins that is an enzyme that in humans is encoded by the HDAC3 gene. The HDAC3 gene is mapped to 5q31.3. HDAC3 has histone deacetylase activity and represses transcription when tethered to a promoter. It may participate in the regulation of transcription through its binding with the zinc-finger transcription factor YY1. The protein can also down-regulate p53 function and thus modulate cell growth and apoptosis. And this gene is regarded as a potential tumor suppressor gene. HDAC3 has an open reading frame of 428 amino acids and shares 53% amino acid identity with HDAC1 and 52% with HDAC2. The catalytic domain of HDAC4 interacts with HDAC3 via the transcriptional corepressor NCOR2. All experimental conditions leading to the suppression of HDAC4 binding to NCOR2 and to HDAC3 resulted in loss of enzymatic activity associated with HDAC4. HDAC3 recruitment to the genome displays a circadian rhythm in mouse liver.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	3334210
NCBI GeneID	8841
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; SMAP45
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/hdac3-antibody-western-blot-immunohistochemistry-immunohistochemistry-immunocytochemistry-elisa/11582>