

Rabbit HDAC1 Polyclonal Antibody | anti-HDAC1 antibody

HDAC1 Antibody (Center S423)

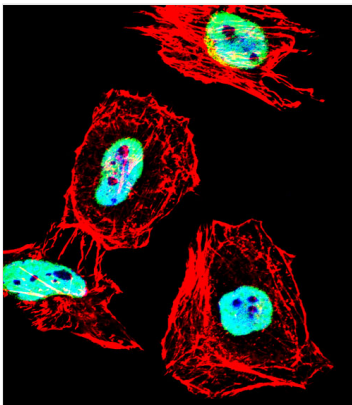
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA289650	Rabbit	Human, mouse, rat	Western Blot, ELISA, Immunofluorescence

PRODUCT SYNONYMS

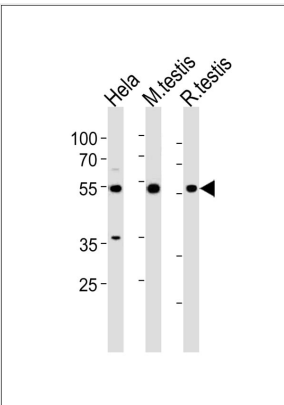
HDAC1; Polyclonal Antibody; HDAC1 Antibody (Center S423); Histone deacetylase 1; HD1; RPD3L1; anti-HDAC1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse, rat
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This HDAC1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 402-430 amino acids from the Central region of human HDAC1.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.45 (varies by lot)
Sequence Positions	402-430
Sequence Length	482
Applicable Applications for anti-HDAC1 antibody	WB (Western Blot), ELISA, IF (Immunofluorescence)
Antigen Type	Synthetic Peptide
Crown Antibody	Yes
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



IF (Immunofluorescence)
Fluorescent confocal image of HeLa cell stained with HDAC1 Antibody (Center S423). HeLa cells were fixed with 4% PFA (20 min), permeabilized with Triton X-100 (0.1%, 10 min), then incubated with HDAC1 primary antibody (1:25, 1 h at 37 degree). For secondary antibody, Alexa Fluor 488 conjugated donkey anti-rabbit antibody (green) was used (1:400, 50 min at 37 degree). Cytoplasmic actin was counterstained with Alexa Fluor 555 (red) conjugated Phalloidin (7units/ml, 1 h at 37 degree). Nuclei were counterstained with DAPI (blue) (10 ug/ml, 10 min). HDAC1 immunoreactivity is localized to Nucleus significantly.



WB (Western Blot)
HDAC1 Antibody (S423) western blot analysis in HeLa cell line and mouse testis, rat testis tissue lysates (35ug/lane). This demonstrates the HDAC1 antibody detected the HDAC1 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-HDAC1 antibody	Histone acetylation and deacetylation, catalyzed by multisubunit complexes, play a key role in the regulation of eukaryotic gene expression. The protein encoded by this gene belongs to the histone deacetylase/acuc/apha family and is a component of the histone deacetylase complex. It also interacts with retinoblastoma tumor-suppressor protein and this complex is a key element in the control of cell proliferation and differentiation. Together with metastasis-associated protein-2, it deacetylates p53 and modulates its effect on cell growth and apoptosis.
Product Categories/Family for anti-HDAC1 antibody	Crown Antibodies; Cardiovascular; Developmental Biology; Immunology; Metabolism; Neuroscience; Signal Transduction
References	Yang, Z., et al. Clin. Chem. Lab. Med. 48(12):1785-1791(2010) Grausenburger, R., et al. J. Immunol. 185(6):3489-3497(2010) Miller, K.M., et al. Nat. Struct. Mol. Biol. 17(9):1144-1151(2010) Brandt, S., et al. Int. J. Biochem. Cell Biol. 42(9):1472-1481(2010) Leone, V., et al. Oncogene 29(30):4341-4351(2010)

NCBI AND UNIPROT INFORMATION

NCBI GI #	13128860
NCBI GeneID	3065
NCBI Accession #	NP_004955.2
NCBI GenBank Nucleotide #	NM_004964.2
UniProt Accession #	Q13547; Q92534
Molecular Weight	55103
NCBI Official Full Name	histone deacetylase 1
NCBI Official Synonym Full Names	histone deacetylase 1

NCBI Official Symbol	HDAC1
NCBI Official Synonym Symbols	HD1; RPD3; GON-10; RPD3L1
NCBI Protein Information	histone deacetylase 1
UniProt Protein Name	Histone deacetylase 1
UniProt Gene Name	HDAC1
UniProt Synonym Gene Names	RPD3L1; HD1
UniProt Entry Name	HDAC1_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://www.aaabiotech.com/polyclonal/hdac1-antibody-western-blot-immunofluorescence-elisa/289650>