

Rabbit HDAC1 Polyclonal Antibody | anti-HDAC1 antibody

HDAC1 Antibody (C-term)

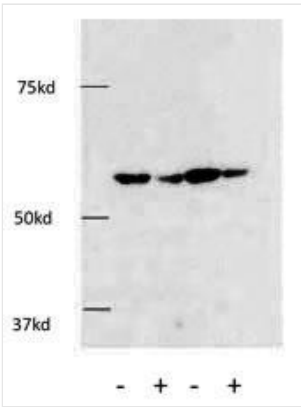
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA287566	Rabbit	Human, mouse (Predicted Reactivity: Mouse)	Immunofluorescence, ELISA, Western Blot

PRODUCT SYNONYMS

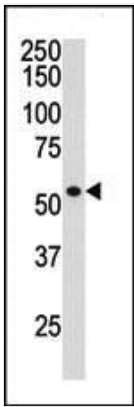
HDAC1; Polyclonal Antibody; HDAC1 Antibody (C-term); Histone deacetylase 1; HD1; RPD3L1; anti-HDAC1 antibody

PRODUCT SPECIFICATIONS

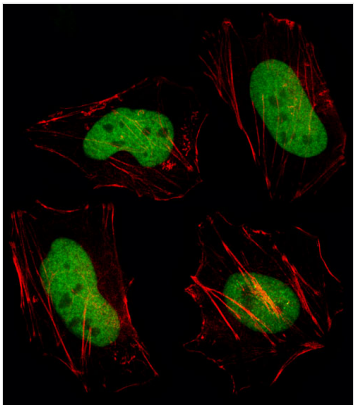
Host	Rabbit
Reactivity	Human, mouse (Predicted Reactivity: Mouse)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This HDAC1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 449-482 amino acids from the C-terminal region of human HDAC1.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	449-482
Sequence Length	482
Applicable Applications for anti-HDAC1 antibody	IF (Immunofluorescence), ELISA, WB (Western Blot)
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.



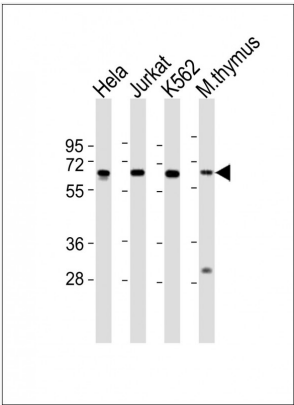
WB (Western Blot)
The anti-HDAC1 Pab was used in Western Blot to detect HDAC1 in HEK293 cells. Knockdown of HDAC1 using siRNA against HDAC1 showed a significant decrease of HDAC1 protein using this anti-HDAC1 Pab in HEK293 cells.



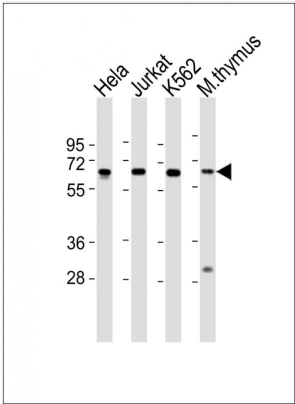
WB (Western Blot)
The anti-HDAC1 Pab is used in Western blot to detect HDAC1 in ZR-75-1 cell lysate.



IF (Immunofluorescence)
Fluorescent image of HeLa cell stained with HDAC1 Antibody (C-term). 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). HDAC1 immunoreactivity is localized to Nucleus significantly.



WB (Western Blot)
All lanes : Anti-HDAC1 Antibody (K464) at 1:2000 dilution
Lane 1: HeLa whole cell lysates
Lane 2: Jurkat whole cell lysates
Lane 3: K562 whole cell lysates
Lane 4: mouse thymus lysates
Lysates/proteins at 20 ug per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution
Predicted band size : 55 kDa
Blocking/Dilution buffer: 5% NFDm/TBST.



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Lysates/proteins at 20 ug per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution
Predicted band size : 55 kDa
Blocking/Dilution buffer: 5% NFDm/TBST.

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. HDAC1 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 ; Cell Biology ; Signal Transduction
References	Di Padova, M., et al., J. Biol. Chem. 278(38):36496-36504 (2003). Wang, S., et al., Oncogene 22(40):6204-6213 (2003). Xia, Z.B., et al., Proc. Natl. Acad. Sci. U.S.A. 100(14):8342-8347 (2003). Rocha, S., et al., Mol. Cell. Biol. 23(13):4713-4727 (2003). Macaluso, M., et al., Oncogene 22(23):3511-3517 (2003).

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-immunofluorescence-western-blot-elisa/287566>