

Rabbit anti-Human HDAC7 Polyclonal Antibody | anti-Hdac7 antibody

Anti-HDAC7 Antibody, Rabbit Polyclonal

CATALOG # AAA254339	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunoprecipitation, Western Blot
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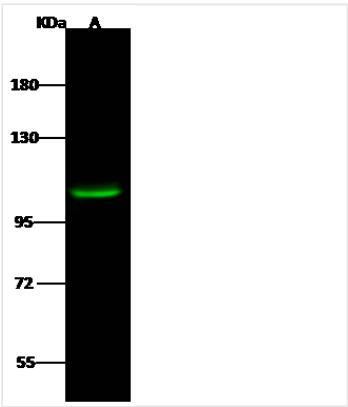
PRODUCT SYNONYMS

HDAC7; Polyclonal Antibody; Anti-HDAC7 Antibody; Rabbit Polyclonal; Hdac7 Antibody; Rabbit PAb; Antigen Affinity Purified; Anti-HDAC7A Antibody; anti-Hdac7 antibody

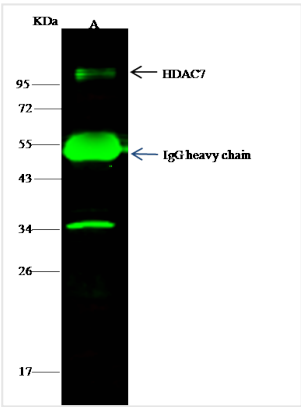
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human Hdac7
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-Hdac7 antibody	IP (Immunoprecipitation), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to the center region of the Human Hdac7
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with a synthetic peptide corresponding to the center region of the Human Hdac7, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



WB (Western Blot)
Anti-HDAC7 rabbit polyclonal antibody at 1:500 dilutionLane A: Raji Whole Cell LysateLysates/proteins at 30 ug per lane.SecondaryGoat Anti- Rabbit IgG H&L (Dylight 800) at 1/10000 dilution.Developed using the Odyssey technique.Performed under reducing conditions.Predicted band size:103 kDaObserved band size:103 kDa



IP (Immunoprecipitation)
HDAC7 was immunoprecipitated using:Lane A:0.5 mg Hela Whole Cell Lysate1 uL anti-HDAC7 rabbit polyclonal antibody and 15 ul of 50 % Protein G agarose.Primary antibody:Anti-HDAC7 rabbit polyclonal antibody,at 1:500 dilutionSecondary antibody:Dylight 800-labeled antibody to rabbit IgG (H+L), at 1:5000 dilutionDeveloped using the odssey technique.Performed under reducing conditions.Predicted band size: 103 kDaObserved band size: 103 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-Hdac7 antibody	Histone deacetylases (HDACs) are a class of total eighteen proteins (HDAC1-11 and SIRT1-7 in mammals) that deacetylate histones and non-histone proteins. HDAC7 is a member of the HDAC family. HDAC7 is a pleiotropic transcriptional coregulator that controls different cellular fates. Studies conducted on cell culture level by silencing or overexpressing HDAC7 have shown that HDAC7 is involved in the regulation of cell proliferation, apoptosis, differentiation and migration. Hdac7 ^{-/-} mice are embryonic lethal due to a failure of angiogenesis (rupture of blood vessels). High HDAC7 protein level was observed in 9 out of 11 human pancreatic cancers. HDAC7 together with HDAC1 is specifically overexpressed in breast cancer stem cells (CSCs) and necessary to maintain CSCs.
References	Lei Y, et al. (2017) Hdac7 promotes lung tumorigenesis by inhibiting stat3 activation. Mol Cancer 16 (1): 170.

NCBI AND UNIPROT INFORMATION

NCBI GI #	148539870
NCBI GeneID	51564
NCBI Accession #	NP_001091886.1
NCBI GenBank Nucleotide #	NM_001098416.2
UniProt Accession #	Q8WUI4; Q6P1W9; Q6W9G7; Q7Z4K2; Q7Z5I1; Q96K01; Q9BR73; Q9H7L0; Q9NW41; B3KY08; B4DWI0; B4E0Q5
Molecular Weight	102,927 Da
NCBI Official Full Name	histone deacetylase 7 isoform d
NCBI Official Synonym Full Names	histone deacetylase 7
NCBI Official Symbol	HDAC7
NCBI Official Synonym Symbols	HD7A; HDAC7A
NCBI Protein Information	histone deacetylase 7; HD7; histone deacetylase 7A
UniProt Protein Name	Histone deacetylase 7
UniProt Gene Name	HDAC7
UniProt Synonym Gene Names	HDAC7A; HD7; HD7a

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/hdac7-antibody-immunoprecipitation-western-blot-elisa/254339>