Rabbit HDAC7 Monoclonal Antibody | anti-HDAC7 antibody

HDAC7 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA312346	**Rabbit**	**Human, Mouse, Rat**	**Flow Cytometry, Functional Assay, Western Blot**

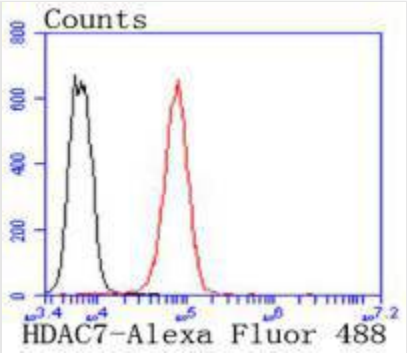
PRODUCT SYNONYMS

HDAC7; Monoclonal Antibody; HDAC7 Antibody; DKFZP586J0917 antibody; FLJ99588 antibody; HD 7a antibody; HD7 antibody; HD7a antibody; HDAC 7 antibody; HDAC 7A antibody; Hdac7 antibody; HDAC7_HUMAN antibody; HDAC7A antibody; Histone deacetylase 7 antibody; Histone deacetylase 7A antibody; OTTHUMP00000202813 antibody; OTTHUMP00000202814 antibody; anti-HDAC7 antibody

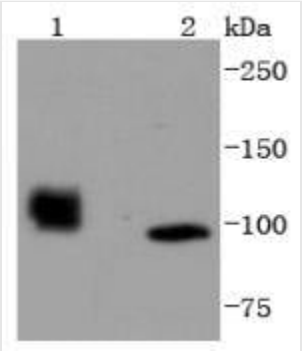
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Clone Number	SD082-4
Purity/Purification	ProA affinity purified
Form/Format	1*TBS (pH7.4), 1% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.
Applicable Applications for anti-HDAC7 antibody	FCM/FACS (Flow Cytometry), WB (Western Blot)
Antibody Type	Recombinant Antibody
Immunogen	Recombinant protein
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C.

IMAGES



FCM/FACS (Flow Cytometry)
Flow cytometric analysis of K562 cells with HDAC7 antibody at 1/50 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody



WB (Western Blot)
Western blot analysis of HDAC7 on different lysates using anti-HDAC7 antibody at 1/1, 000 dilution. Positive control: Lane 1: A549 Lane 2: Human brain

ADDITIONAL INFORMATION

Related Product Information for anti-HDAC7 antibody	In the intact cell, DNA closely associates with histones and other nuclear proteins to form chromatin. The remodeling of chromatin is believed to be a critical component of transcriptional regulation and a major source of this remodeling is brought about by the acetylation of nucleosomal histones. Acetylation of lysine residues in the amino terminal tail domain of histone results in an allosteric change in the nucleosomal conformation and an increased accessibility to transcription factors by DNA. Conversely, the deacetylation of histones is associated with transcriptional silencing. Several mammalian proteins have been identified as nuclear histone acetylases, including GCN5, PCAF (p300/CBP-associated factor), p300/CBP, HAT1, and the TFIID subunit TAF II p250. Mammalian HDAC7 is a histone deacetylase that interacts with the adaptor mSin3A. The interaction of HDAC7 with mSin3A suggests the association of multiple repression complexes of transcription factors.
Product Categories/Family for anti-HDAC7 antibody	Total protein Ab

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
UniProt Entry Name	HDAC7_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/monoclonal/hdac7-antibody-clone-sd082-4-flow-cytometry-western-blot-elisa/312346