

Rabbit anti-Human, Mouse HDAC7 Polyclonal Antibody | anti-HDAC7 antibody

HDAC7 Antibody

CATALOG # AAA307525	HOST Rabbit	REACTIVITY Human, Mouse	APPLICATIONS Immunohistochemistry, Western Blot
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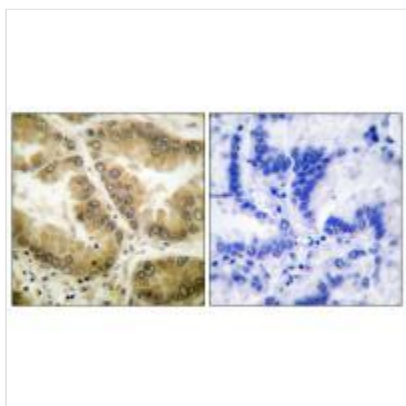
PRODUCT SYNONYMS

HDAC7; Polyclonal Antibody; HDAC7 Antibody; histone deacetylase 7A; anti-HDAC7 antibody

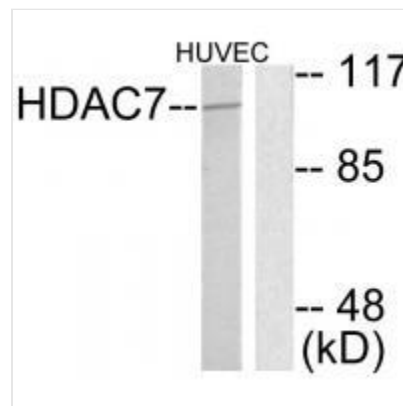
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Specificity	The antibody detects endogenous levels of total HDAC7 protein.
Purity/Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Form/Format	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1.0 mg/ml (varies by lot)
Sequence Length	954
Applicable Applications for anti-HDAC7 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen Type	Peptide
Immunogen Description	Synthesized peptide derived from human HDAC7.
Target Name	HDAC7
Preparation and Storage	Store at -20 degree C

IMAGES


IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human lung carcinoma tissue using HDAC7 antibody.


WB (Western Blot)

Western blot analysis of extracts from HuvEc cells, using HDAC7 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-HDAC7 antibody	Responsible for the deacetylation of lysine residues on the N-terminal part of the core histones (H2A, H2B, H3 and H4). Histone deacetylation gives a tag for epigenetic repression and plays an important role in transcriptional regulation, cell cycle progression and developmental events. Histone deacetylases act via the formation of large multiprotein complexes. Involved in muscle maturation by repressing transcription of myocyte enhancer factors such as MEF2A, MEF2B and MEF2C. During muscle differentiation, it shuttles into the cytoplasm, allowing the expression of myocyte enhancer factors By similarity. May be involved in Epstein-Barr virus (EBV) latency, possibly by repressing the viral BZLF1 gene.Maribel Parra, Genes & Dev., Mar 2007; 21: 638 - 643.Wolfgang Fischle, J. Biol. Chem., Sep 2001; 276: 35826 - 35835.Maribel Parra, J. Biol. Chem., Apr 2005; 280: 13762 - 13770.Uwe Dressel, J. Biol. Chem., May 2001; 276: 17007 - 17013.
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_001098416.3
UniProt Accession #	Q8WUI4; Q6P1W9; Q6W9G7; Q7Z4K2; Q7Z5I1; Q96K01; Q9BR73; Q9H7L0; Q9NW41; B3KY08; B4DWI0; B4E0Q5
Molecular Weight	66,187 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	HD7; HD7A; HDAC7A
NCBI Protein Information	histone deacetylase 7
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.