



HDAC7 rabbit pAb

Cat No.:ES2505

For research use only

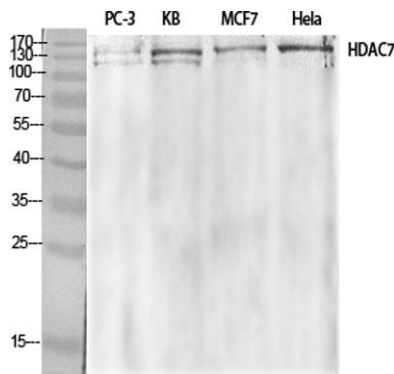
Overview

Product Name	HDAC7 rabbit pAb
Host species	Rabbit
Applications	WB;ELISA
Species Cross-Reactivity	Human;Mouse;Rat
Recommended dilutions	Western Blot: 1/500 - 1/2000. ELISA: 1/10000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human HDAC7A. AA range:121-170
Specificity	HDAC7 Polyclonal Antibody detects endogenous levels of HDAC7 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Histone deacetylase 7
Gene Name	HDAC7
Cellular localization	Nucleus. Cytoplasm. In the nucleus, it associates with distinct subnuclear dot-like structures. Shuttles between the nucleus and the cytoplasm. Treatment with EDN1 results in shuttling from the nucleus to the perinuclear region. The export to cytoplasm de
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	103kD
Human Gene ID	51564
Human Swiss-Prot Number	Q8WUI4
Alternative Names	HDAC7; HDAC7A; Histone deacetylase 7; HD7; Histone deacetylase 7A; HD7a
Background	Histones play a critical role in transcriptional regulation, cell cycle progression, and

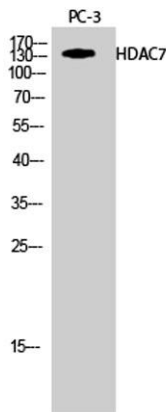




developmental events. Histone acetylation/deacetylation alters chromosome structure and affects transcription factor access to DNA. The protein encoded by this gene has sequence homology to members of the histone deacetylase family. This gene is orthologous to mouse HDAC7 gene whose protein promotes repression mediated via the transcriptional corepressor SMRT. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008],



Western Blot analysis of various cells using HDAC7 Polyclonal Antibody diluted at 1:1000

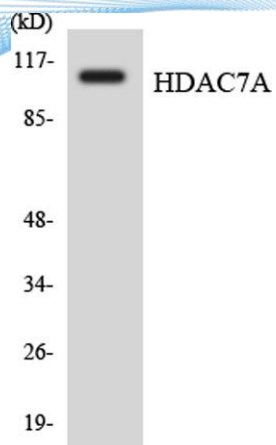


Western Blot analysis of PC-3 cells using HDAC7 Polyclonal Antibody diluted at 1:1000





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Western blot analysis of the lysates from HepG2 cells using HDAC7A antibody.



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