

Anti-HDAC7 Antibody
Rabbit Anti Human Polyclonal Antibody
Catalog # ALS17277**Specification**

Anti-HDAC7 Antibody - Product Information

Application	IHC-P
Primary Accession	Q8WUI4
Predicted	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	102927

Anti-HDAC7 Antibody - Additional Information**Gene ID** 51564

Alias Symbol	HDAC7
Other Names	

HDAC7, DKFZP586J0917, HD7, Histone deacetylase 7, Histone deacetylase 7A, HD7A, HDAC7A

Target/Specificity
Human HDAC7**Reconstitution & Storage**
PBS, pH 7.4, 0.03% Proclin 300, 50% glycerol. Long term: -20°C; Short term: +4°C. Avoid repeat freeze-thaw cycles.**Precautions**
Anti-HDAC7 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.**Anti-HDAC7 Antibody - Protein Information****Name** HDAC7**Synonyms** HDAC7A**Function**
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. Positively regulates the transcriptional repressor

activity of FOXP3 (PubMed:17360565). Serves as a corepressor of RARA, causing its deacetylation and inhibition of RARE DNA element binding (PubMed:28167758). In association with RARA, plays a role in the repression of microRNA-10a and thereby in the inflammatory response (PubMed:28167758).

Cellular Location

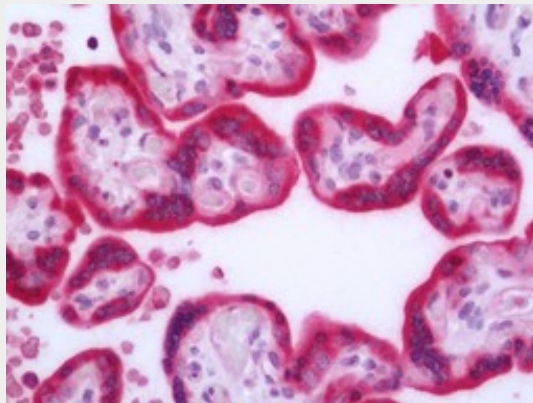
Nucleus. Cytoplasm. Note=In the nucleus, it associates with distinct subnuclear dot-like structures. Shuttles between the nucleus and the cytoplasm. Treatment with EDN1 results in shuttling from the nucleus to the perinuclear region. The export to cytoplasm depends on the interaction with the 14-3-3 protein YWHAE and is due to its phosphorylation

Anti-HDAC7 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-HDAC7 Antibody - Images



Human Placenta: Formalin-Fixed, Paraffin-Embedded (FFPE)