

Product Name: HDAC5 Rabbit Polyclonal Antibody
Catalog #: APRab00402



Summary

Production Name	HDAC5 Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	WB,IHC-F,IHC-P,ICC/IF,ELISA
Reactivity	Human,Mouse

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% sodium azide, pH 7.3.
Purification	Affinity Chromatography

Immunogen

Gene Name	HDAC5
Alternative Names	HD5; NY-CO-9
Gene ID	10014
SwissProt ID	Q9UQL6.

Application

Dilution Ratio	WB: 1:500-1:1000 IHC: 1:50-1:100 IF: 1:50-1:200 ELISA: 1:10000
Molecular Weight	Calculated MW: 122 kDa; Observed MW: 122 kDa

Background

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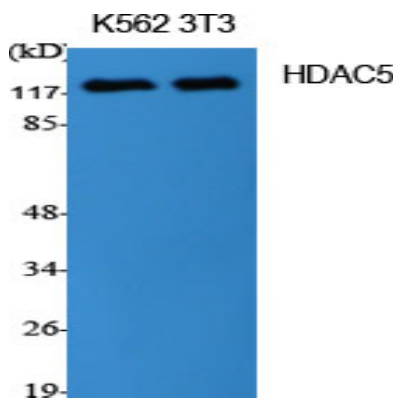


Responsible for the deacetylation of lysine residues on the N-terminal part of the core histones (H2A, H2B, H3 and H4). Histone deacetylation gives a tag for epigenetic repression and plays an important role in transcriptional regulation, cell cycle progression and developmental events. Histone deacetylases act via the formation of large multiprotein complexes. Involved in muscle maturation by repressing transcription of myocyte enhancer MEF2C. During muscle differentiation, it shuttles into the cytoplasm, allowing the expression of myocyte enhancer factors. Involved in the MTA1-mediated epigenetic regulation of ESR1 expression in breast cancer.

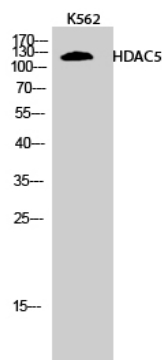
Research Area

Epigenetics and Nuclear Signaling

Image Data

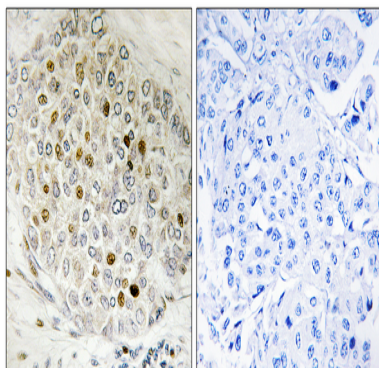


Western blot analysis of HDAC5 in various lysates using HDAC5 antibody.

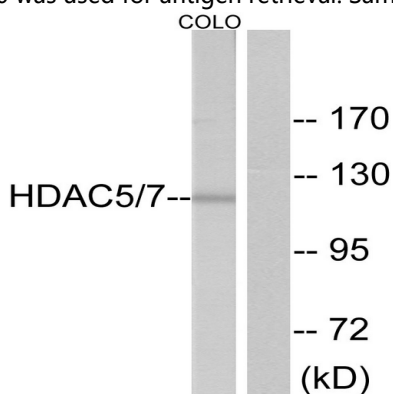


Western blot analysis of HDAC5 in K562 lysates using HDAC5 antibody.

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Immunohistochemistry analysis of paraffin-embedded Human breast carcinoma tissue using HDAC5 antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval. Sample with blocking peptide on the right.



Western blot analysis of HDAC5 in colo lysates using HDAC5 antibody. The lane on the right is blocked with the synthesized peptide.

Note

For research use only.