

Product Name: Phospho-HDAC5 (Ser498) Rabbit Polyclonal Antibody
Catalog #: APRab00916

Summary

| | |
|------------------------|---|
| Production Name | Phospho-HDAC5 (Ser498) Rabbit Polyclonal Antibody |
| Description | Primary antibody |
| Host | Rabbit |
| Application | WB,IHC-P |
| Reactivity | Human,Mouse |

Performance

| | |
|---------------------|--|
| Conjugation | Unconjugated |
| Modification | Phosphorylated |
| Isotype | IgG |
| Clonality | Polyclonal Antibody |
| 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% BSA and 0.02% sodium azide, pH 7.3. |
| Purification | Affinity Purified |

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 |
| Molecular Weight | Calculated MW: 122 kDa; Observed MW: 122 kDa |

Background

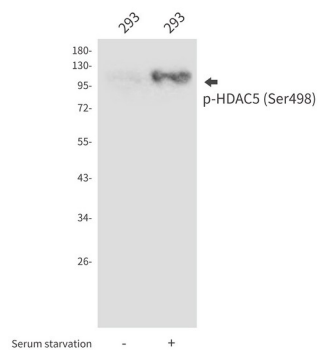
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Responsible for the deacetylation of lysine residues on the N-terminal part of the core histones (H2A, H2B, H3 and H4). Histone deacetylation gives a tag for epigenetic repression and plays an important role in transcriptional regulation, cell cycle 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.

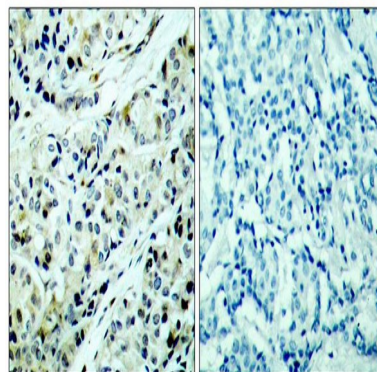
Research Area

Epigenetics and Nuclear Signaling

Image Data



Western blot analysis of Phospho-HDAC5 (Ser498) in 293 lysates using Phospho-HDAC5 (Ser498) antibody.



Immunohistochemistry analysis of paraffin-embedded Human breast carcinoma tissue using HDAC5(Phospho-Ser498) antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval. Sample with blocking peptide on the right.

Note

For research use only.

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