Anti-Phospho-HDAC5 (Ser498) Rabbit pAb

Purified Rabbit Polyclonal Antibody

Catalog # P010240

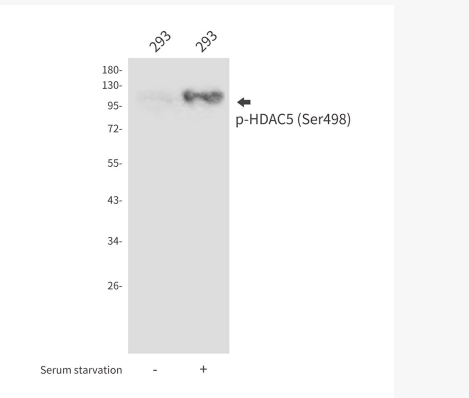
Product Information

Application	WB, IHC-P/IF (Tissue-P), ELISA
Reactivity	Human, Mouse
Dilution	WB 1:500~1:1,000; IHC-P 1:50~1:100
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Label	Unconjugated
Immunogen	Synthetic peptide of human HDAC5
Format	Buffer System: Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3. Purification: Affinity Purified.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-Phospho-HDAC5 (Ser498) antibody is for research use only and not for use in diagnostic or therapeutic procedures.

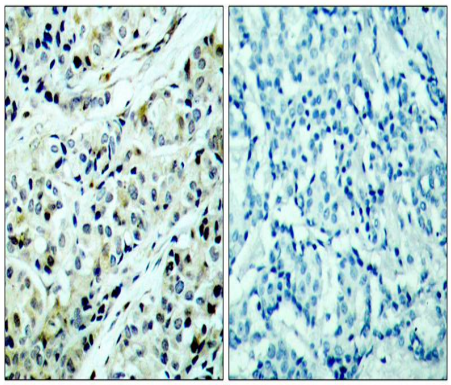
Protein Information

Synonyms	HD5, NY-CO-9.
Calculated MW	Calculated MW: 122 kDa; Observed MW: 122 kDa
Uniprot ID	Q9UQL6
Gene ID	10014
Background	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.

Validation Images



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.