

Anti-HDAC5 Rabbit pAb

Purified Rabbit Polyclonal Antibody

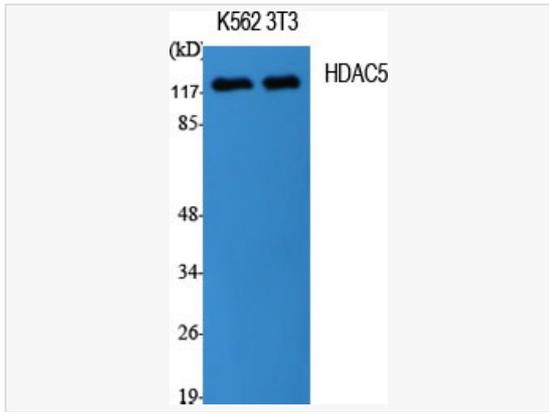
Catalog # P011963

Product Information

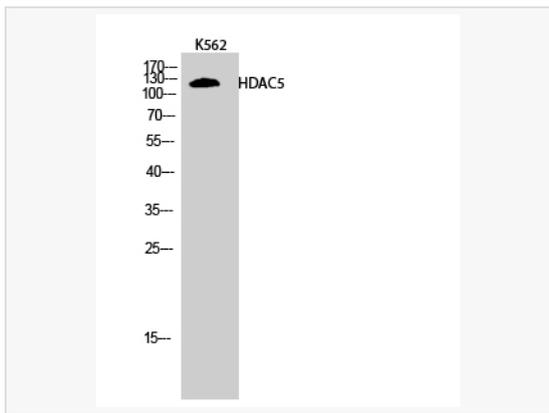
Application	WB, IHC-F/IF (Tissue-F), IHC-P/IF (Tissue-P), ICC/IF (Cell), ELISA
Reactivity	Human, Mouse
Dilution	WB 1:500~1:1,000; IHC-P 1:50~1:100; IF 1:50~1:200; ELISA 1:10,000
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Label	Unconjugated
Immunogen	The antiserum was produced against synthesized peptide derived from human HDAC5.
Format	Buffer System: Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3. Purification: Affinity Chromatography
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-HDAC5 antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

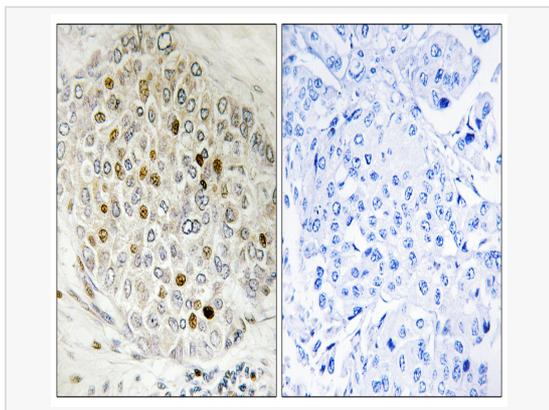
Synonyms	HD5, NY-CO-9.
Calculated MW	Calculated MW: 122 kDa; Observed MW: 122 kDa
Uniprot ID	Q9UQL6
Gene ID	10014
Background	Responsible for the deacetylation of lysine residues on the N-terminal part of the core histones (H2A, H2B, H3 and H4). Histone deacetylation gives a tag for epigenetic repression 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.



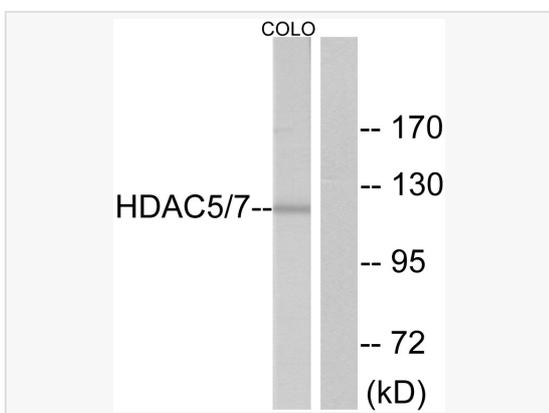
Western blot analysis of HDAC5 in various lysates using HDAC5 antibody.



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



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.