

## HDAC5 RABBIT PAB

**Cat.#:** N225447

**Product Name:** Anti-HDAC5 Rabbit pAb

**Synonyms:** HD5; NY-CO-9

**UNIPROT ID:** Q9UQL6

**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 ESRI expression in breast cancer.

**Immunogen:** The antiserum was produced against synthesized peptide derived from human HDAC5. AA range:464-513

**Applications:** WB,IHC-F,IHC-P,ICC/IF,ELISA

**Recommended Dilutions:** WB: 1/500-1/1000 IHC: 1/50-1/100 IF: 1/50-1/200 ELISA: 1/10000

**Host Species:** Rabbit

**Clonality:** Rabbit Polyclonal

**Clone ID:** -

**MW:** Calculated MW: 122 kDa; Observed MW: 122 kDa

**Isotype:** IgG

**Purification:** Affinity Chromatography

**Species Reactivity:** Human,Mouse

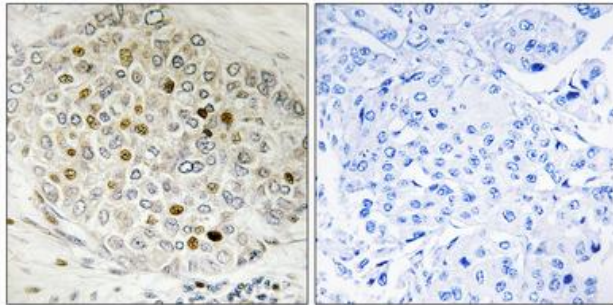
**Conjugation:** Unconjugated

**Modification:** Unmodified

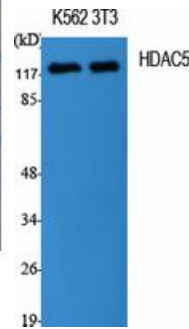
**Constituents:** PBS (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.3 containing 50% glycerol, 0.5% BSA and 0.02% sodium azide

**Research Areas:** Epigenetics and Nuclear Signaling

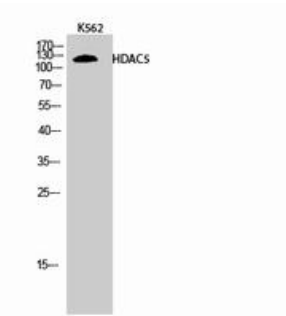
**Storage & Shipping:** Store at -20°C. Avoid repeated freezing and thawing



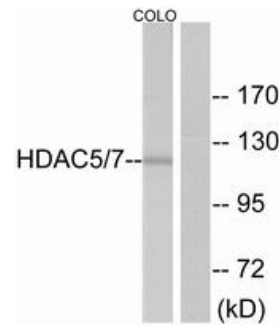
Immunohistochemistry analysis of paraffin-embedded Human breast carcinoma tissue using HDAC5 antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval. Sample with blocking peptide on the right.



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



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



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