

## **Product Description**

Pioneering GTPase and Oncogene Product Development since 2010

## **HDAC5 RABBIT PAB**

Cat.#: S221273

**Product Name:** Anti-HDAC5 Rabbit Polyclonal Antibody

Synonyms: HD5; NY-CO-9

**UNIPROT ID:** Q9UQL6 (Gene Accession - NP\_005465)

**Background:** Histones play a critical role in transcriptional regulation, cell cycle progression, and developmental events. Histone acetylation/deacetylation alters chromosome structure and affects transcription factor access to DNA. The protein encoded by this gene belongs to the class II histone deacetylase/acuc/apha family. It possesses histone deacetylase activity and represses transcription when tethered to a promoter. It coimmunoprecipitates only with HDAC3 family member and might form multicomplex proteins. It also interacts with myocyte enhancer factor-2 (MEF2) proteins, resulting in repression of MEF2-dependent genes. This gene is thought to be associated with colon cancer. Two transcript variants encoding different isoforms have been found for this gene.

**Immunogen:** Synthetic peptide of human HDAC5

**Applications:** ELISA, IHC

**Recommended Dilutions:** IHC: 25-100; ELISA: 5000-10000

Host Species: Rabbit

Clonality: Rabbit Polyclonal

**Isotype:** Immunogen-specific rabbit IgG **Purification:** Antigen affinity purification **Species Reactivity:** Human, Mouse

Constituents: PBS (without Mg2+ and Ca2+), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40%

glycerol

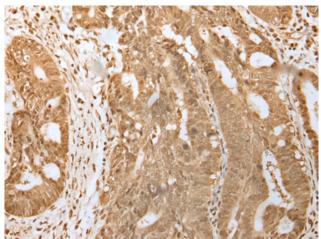
Research Areas: Epigenetics and Nuclear Signaling, Cardiovascular, Signal Transduction

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

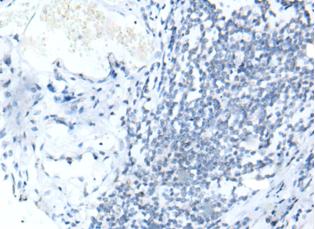


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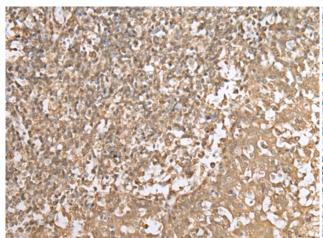
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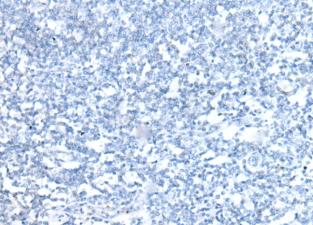
Immunohistochemistry analysis of paraffin embedded Human gastric cancer tissue using 221273(HDAC5 Antibody) at a dilution of 1/20(Cytoplasm and Nucleus).



In comparision with the IHC on the left, the same paraffin-embedded Human gastric cancer tissue is first treated with the synthetic peptide and then with 221273 (Anti-HDAC5 Antibody) at dilution 1/20.



The image on the left is immunohistochemistry of paraffinembedded Human tonsil tissue using 221273(Anti-HDAC5 Antibody) at a dilution of 1/20.



In comparision with the IHC on the left, the same paraffin-embedded Human tonsil tissue is first treated with synthetic peptide and then with D262793(Anti-HDAC5 Antibody) at dilution 1/20.