

## HDAC1 RABBIT PAB

**Cat.#:** S216553

**Product Name:** Anti-HDAC1 Rabbit Polyclonal Antibody

**Synonyms:** HD1; RPD3; GON-10; RPD3L1

**UNIPROT ID:** Q13547 (Gene Accession - BC000301 )

**Background:** Histone acetylation and deacetylation, catalyzed by multisubunit complexes, play a key role in the regulation of eukaryotic gene expression. The protein encoded by this gene belongs to the histone deacetylase/acuc/apha family and is a component of the histone deacetylase complex. It also interacts with retinoblastoma tumor-suppressor protein and this complex is a key element in the control of cell proliferation and differentiation. Together with metastasis-associated protein-2, it deacetylates p53 and modulates its effect on cell growth and apoptosis.

**Immunogen:** Fusion protein of human HDAC1

**Applications:** ELISA, WB, IHC

**Recommended Dilutions:** IHC: 50-200;WB: 1000-5000;ELISA: 5000-10000

**Host Species:** Rabbit

**Clonality:** Rabbit Polyclonal

**Isotype:** Immunogen-specific rabbit IgG

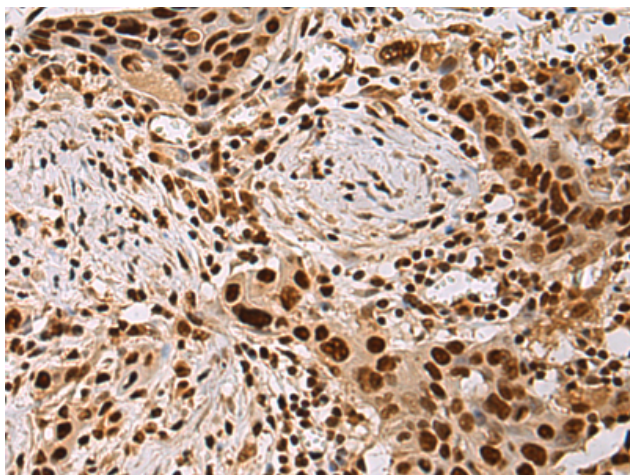
**Purification:** Antigen affinity purification

**Species Reactivity:** Human, Mouse, Rat

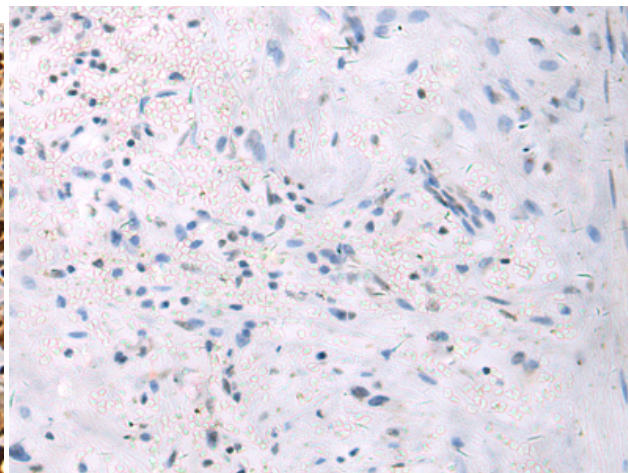
**Constituents:** PBS (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40% glycerol

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

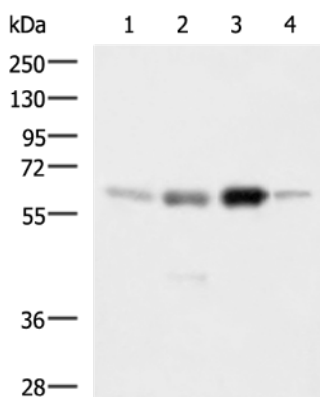
**Storage & Shipping:** Store at -20°C. Avoid repeated freezing and thawing



Immunohistochemistry analysis of paraffin embedded Human esophagus cancer tissue using 216553(HDAC1 Antibody) at a dilution of 1/45(Nucleus).



In comparison with the IHC on the left, the same paraffin-embedded Human esophagus cancer tissue is first treated with the fusion protein and then with 216553(Anti-HDAC1 Antibody) at dilution 1/45.



Gel: 8%SDS-PAGE, Lysate: 40 µg;

Lane 1-4: 293T, 231, Jurkat and RAW264.7 cell lysates;

Primary antibody: 216553(HDAC1 Antibody) at dilution 1/1000;

Secondary antibody: HRP-conjugated Goat anti rabbit IgG at 1/5000 dilution;

Exposure time: 1 minute