

## RCOR1 RABBIT PAB

**Cat.#:** S221763

**Product Name:** Anti-RCOR1 Rabbit Polyclonal Antibody

**Synonyms:** RCOR; COREST

**UNIPROT ID:** Q9UKL0 (Gene Accession - NP\_055971)

**Background:** Essential component of the BHC complex, a corepressor complex that represses transcription of neuron-specific genes in non-neuronal cells. The BHC complex is recruited at RE1/NRSE sites by REST and acts by deacetylating and demethylating specific sites on histones, thereby acting as a chromatin modifier. In the BHC complex it serves as a molecular beacon for the recruitment of molecular machinery, including MeCP2 and SUV39H1, that imposes silencing across a chromosomal interval. Plays a central role in demethylation of Lys-4 of histone H3 by promoting demethylase activity of KDM1A on core histones and nucleosomal substrates. It also protects KDM1A from the proteasome. Component of a RCOR/GFI/KDM1A/HDAC complex that suppresses, via histone deacetylase (HDAC) recruitment, a number of genes implicated in multilineage blood cell development and controls hematopoietic differentiation.

**Immunogen:** Synthetic peptide of human RCOR1

**Applications:** ELISA, WB, IHC

**Recommended Dilutions:** IHC: 20-100;WB: 200-1000;ELISA: 5000-10000

**Host Species:** Rabbit

**Clonality:** Rabbit Polyclonal

**Isotype:** Immunogen-specific rabbit IgG

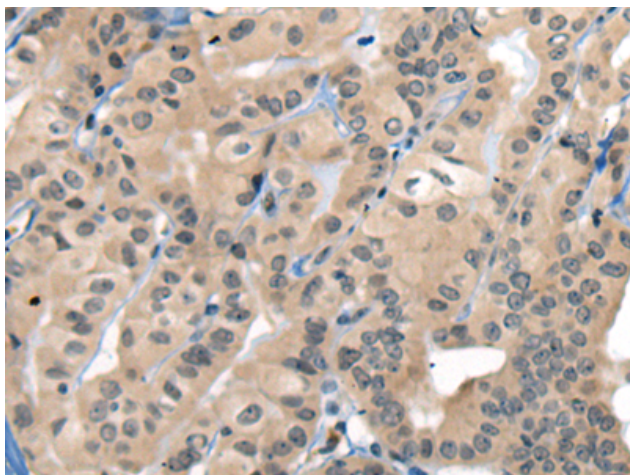
**Purification:** Antigen affinity purification

**Species Reactivity:** Human, Mouse

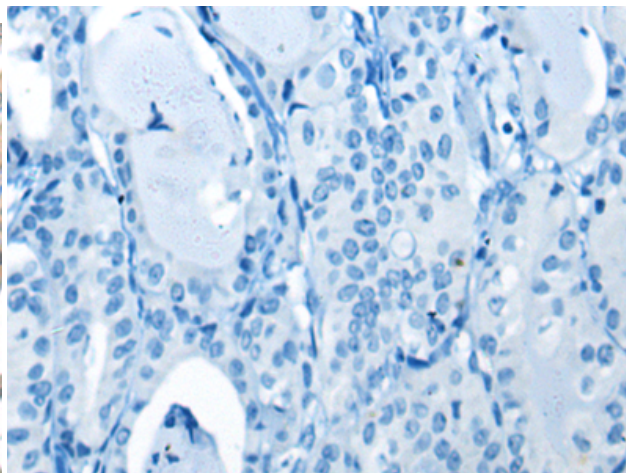
**Constituents:** PBS (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40% glycerol

**Research Areas:** Epigenetics and Nuclear Signaling

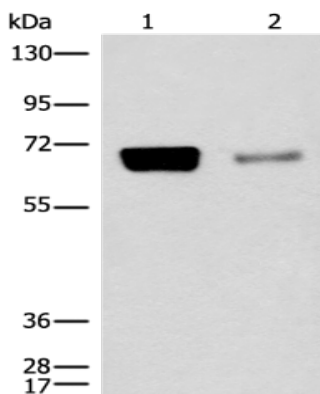
**Storage & Shipping:** Store at -20°C. Avoid repeated freezing and thawing



Immunohistochemistry analysis of paraffin embedded Human thyroid cancer tissue using 221763(RCOR1 Antibody) at a dilution of 1/20(Nucleus).



In comparison with the IHC on the left, the same paraffin-embedded Human thyroid cancer tissue is first treated with the synthetic peptide and then with 221763(Anti-RCOR1 Antibody) at dilution 1/20.



Gel: 8%SDS-PAGE, Lysate: 40  $\mu$ g;  
Lane 1-2: PC-3 and 231 cell lysates;  
Primary antibody: 221763(RCOR1 Antibody) at dilution 1/200;  
Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution;  
Exposure time: 2 minutes