

## **Product Description**

Pioneering GTPase and Oncogene Product Development since 2010

## RRP8 RABBIT PAB

Cat.#: S219130

Product Name: Anti-RRP8 Rabbit Polyclonal Antibody

Synonyms: NML; KIAA0409

UNIPROT ID: O43159 (Gene Accession - BC001071)

**Background:** Essential component of the eNoSC (energy-dependent nucleolar silencing) comple,x a complex that mediates silencing of rDNA in response to intracellular energy status and acts by recruiting histone-modifying enzymes. The eNoSC complex is able to sense the energy status of cell: upon glucose starvation, elevation of NAD+/NADP+ ratio activates SIRT1, leading to histone H3 deacetylation followed by dimethylation of H3 at 'Lys-9' (H3K9me2) by SUV39H1 and the formation of silent chromatin in the rDNA locus. In the comple,x RRP8 binds to H3K9me2 and probably acts as a methyltransferase. Its substrates are however unknown.

Immunogen: Fusion protein of human RRP8

Applications: ELISA, WB, IHC

**Recommended Dilutions:** IHC: 50-300;WB: 500-2000;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 Mg2+ and Ca2+), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40% glycerol

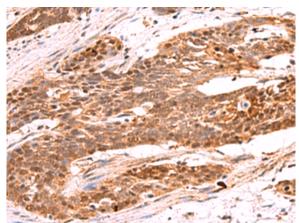
Research Areas: Cell Biology

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

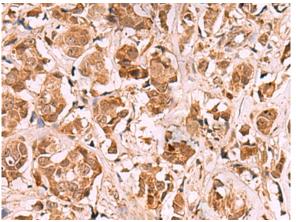


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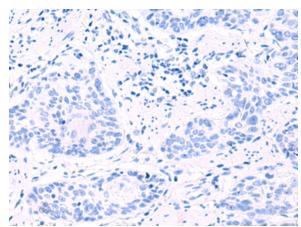
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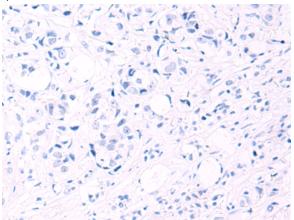
Immunohistochemistry analysis of paraffin embedded Human esophagus cancer tissue using 219130(RRP8 Antibody) at a dilution of 1/80(Cytoplasm and Nucleus).



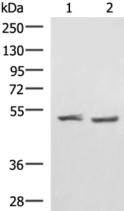
The image on the left is immunohistochemistry of paraffin-embedded Human breast cancer tissue using 219130 (Anti-RRP8 Antibody) at a dilution of 1/80.



In comparision with the IHC on the left, the same paraffin-embedded Human esophagus cancer tissue is first treated with the fusion protein and then with 219130 (Anti-RRP8 Antibody) at dilution 1/80.



In comparision with the IHC on the left, the same paraffin-embedded Human breast cancer tissue is first treated with fusion protein and then with D225896(Anti-RRP8 Antibody) at dilution 1/80.



Gel: 8%SDS-PAGE, Lysate: 40 µg; Lane 1-2: Human cerebella tissue, K562 cell lysates; Primary antibody: 219130(RRP8 Antibody) at dilution 1/1000; Secondary antibody: HRP-conjugated Goat anti

Secondary antibody: HRP-conjugated Goat anti rabbit IgG at 1/5000 dilution; Exposure time: 30 seconds



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