

Product Description

Pioneering GTPase and Oncogene Product Development since 2010

PIWIL4 RABBIT PAB

Cat.#: S216730

Product Name: Anti-PIWIL4 Rabbit Polyclonal Antibody

Synonyms: HIWI2, MIWI2

UNIPROT ID: Q7Z3Z4 (Gene Accession - BC031060)

Background: PIWIL4 belongs to the Argonaute family of proteins, which function in development and maintenance of germline stem cells. It plays a central role during spermatogenesis by repressing transposable elements and prevent their mobilization, which is essential for the

repressing transposable elements and prevent their mobilization, which is essential for the germline integrity. May be involved in the chromatin-modifying pathway by inducing 'Lys-9'

methylation of histone H3 at some loci.

Immunogen: Fusion protein of human PIWIL4

Applications: ELISA, IHC

Recommended Dilutions: IHC: 50-200; ELISA: 2000-5000

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

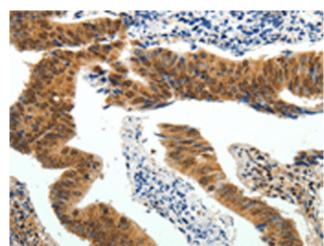
Research Areas: Epigenetics and Nuclear Signaling

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

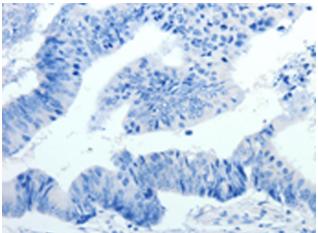


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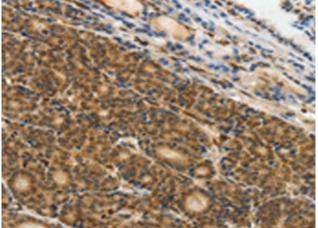
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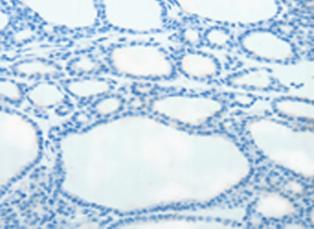
Immunohistochemistry analysis of paraffin embedded Human colon cancer tissue using 216730(PIWIL4 Antibody) at a dilution of 1/25(Cytoplasm, Nucleus).



In comparision with the IHC on the left, the same paraffin-embedded Human colon cancer tissue is first treated with the fusion protein and then with 216730(Anti-PIWIL4 Antibody) at dilution 1/25.



The image on the left is immunohistochemistry of paraffinembedded Human thyroid cancer tissue using 216730(Anti-PIWIL4 Antibody) at a dilution of 1/25.



In comparision with the IHC on the left, the same paraffin-embedded Human thyroid cancer tissue is first treated with fusion protein and then with D221135(Anti-PIWIL4 Antibody) at dilution 1/25.