

## **Product Description**

Pioneering GTPase and Oncogene Product Development since 2010

## TTI1 RABBIT PAB

Cat.#: S221064

Product Name: Anti-TTII Rabbit Polyclonal Antibody

Synonyms: smg-10; KIAA0406

**UNIPROT ID:** 043156 (Gene Accession - NP\_055472)

**Background:** Regulator of the DNA damage response (DDR). Part of the TTT complex that is required to stabilize protein levels of the phosphatidylinositol 3-kinase-related protein kinase (PIKK) family proteins. The TTT complex is involved in the cellular resistance to DNA damage stresses, like ionizing radiation (IR), ultraviolet (UV) and mitomycin C (MMC). Together with the TTT complex and HSP90 may participate in the proper folding of newly synthesized PIKKs. Promotes assembly, stabilizes and maintains the activity of mTORC1 and mTORC2 complexes, which regulate cell growth and survival in response to nutrient and hormonal signals.

Immunogen: Synthetic peptide of human TTII

**Applications:** ELISA, IHC

Recommended Dilutions: IHC: 30-150; ELISA: 2000-10000

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

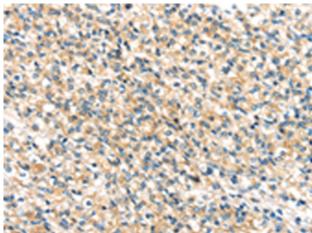
**Research Areas:** Epigenetics and Nuclear Signaling, Cancer

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

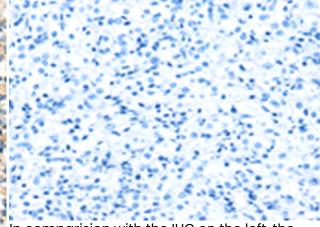


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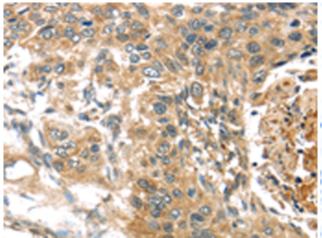
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Immunohistochemistry analysis of paraffin embedded Human prostate cancer tissue using 221064(TTII Antibody) at a dilution of 1/40(Cytoplasm).



In comparision with the IHC on the left, the same paraffin-embedded Human prostate cancer tissue is first treated with the synthetic peptide and then with 221064(Anti-TTII Antibody) at dilution 1/40.



The image on the left is immunohistochemistry of paraffinembedded Human esophagus cancer tissue using 221064(Anti-TTII Antibody) at a dilution of 1/40.

In comparision with the IHC on the left, the same paraffin-embedded Human esophagus cancer tissue is first treated with synthetic peptide and then with D262431(Anti-TTII Antibody) at dilution 1/40.