

## **Product Description**

Pioneering GTPase and Oncogene Product Development since 2010

## **RNF144B RABBIT PAB**

Cat.#: S217526

Product Name: Anti-RNF144B Rabbit Polyclonal Antibody

Synonyms: PIR2; IBRDC2; p53RFP; bA528A10.3

UNIPROT ID: Q7Z419 (Gene Accession - BC063311)

**Background:** p53 is the most commonly mutated gene in human cancer identified to date. Expression of p53 leads to inhibition of cell growth by preventing progression of cells from G1 to S phase of the cell cycle. Most importantly, p53 functions to cause arrest of cells in the G1 phase of the cell cycle following any exposure of cells to DNA-damaging agents. The MDM2 (murine double minute-2) protein was initially identified as an oncogene in a murine transformation system. MDM2 functions to bind p53 and block p53-mediated transactivation of cotransfected reporter constructs. The MDM2 gene is amplified in a high percentage of human sarcomas that retain wildtype p53 and tumor cells that overexpress MDM2 can tolerate high levels of p53 expression. Another p53 target protein is the p53-inducible RING finger protein (p53RFP), an auto-ubiquitinylated protein acting as an E3 ubiquitin ligase. p53RFP, also designated IBRDC2 in mouse and rat, receives ubiquitin from specific E2 ubiquitin-conjugating enzymes and transfers it to substrates that promote their degradation by the proteasome. p53RFP may mediate re-entry into the cell cycle.

Immunogen: Fusion protein of human RNF144B

Applications: ELISA, WB, IHC

Recommended Dilutions: IHC: 50-200;WB: 200-1000;ELISA: 2000-5000

Host Species: Rabbit

Clonality: Rabbit Polyclonal

Isotype: Immunogen-specific rabbit IgG

Purification: Antigen affinity purification

Species Reactivity: Human, Mouse

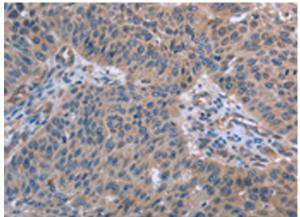
**Constituents:** PBS (without Mg2+ and Ca2+), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40% glycerol **Research Areas:** Cancer, Cell Biology

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

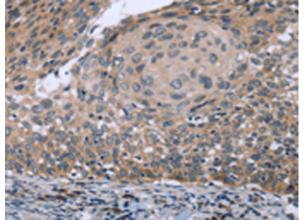


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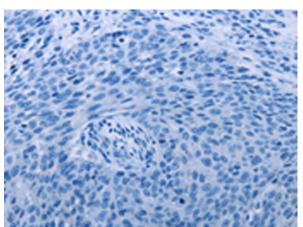
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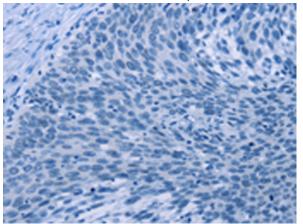
Immunohistochemistry analysis of paraffin embedded Human lung cancer tissue using 217526(RNF144B Antibody) at a dilution of 1/50(Cytoplasm).



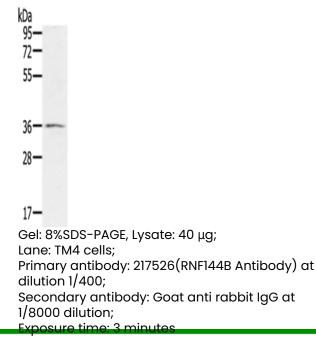
The image on the left is immunohistochemistry of paraffin-embedded Human cervical cancer tissue using 217526(Anti-RNF144B Antibody) at a dilution of 1/50.



In comparision with the IHC on the left, the same paraffin-embedded Human lung cancer tissue is first treated with the fusion protein and then with 217526(Anti-RNF144B Antibody) at dilution 1/50.



In comparision with the IHC on the left, the same paraffin-embedded Human cervical cancer tissue is first treated with fusion protein and then with D222523(Anti-RNF144B Antibody) at dilution 1/50.





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