

## APEX1 RABBIT PAB

**Cat.#:** S216325

**Product Name:** Anti-APEX1 Rabbit Polyclonal Antibody

**Synonyms:** APE; APX; APE1; APEN; APEX; HAP1; REF1

**UNIPROT ID:** P27695 (Gene Accession - BC004979 )

**Background:** Apurinic/aprimidinic (AP) sites occur frequently in DNA molecules by spontaneous hydrolysis, by DNA damaging agents or by DNA glycosylases that remove specific abnormal bases. AP sites are pre-mutagenic lesions that can prevent normal DNA replication so the cell contains systems to identify and repair such sites. Class II AP endonucleases cleave the phosphodiester backbone 5' to the AP site. This gene encodes the major AP endonuclease in human cells. Splice variants have been found for this gene; all encode the same protein.

**Immunogen:** Fusion protein of human APEX1

**Applications:** ELISA, WB, IHC

**Recommended Dilutions:** IHC: 15-50;WB: 500-2000;ELISA: 2000-5000

**Host Species:** Rabbit

**Clonality:** Rabbit Polyclonal

**Isotype:** Immunogen-specific rabbit IgG

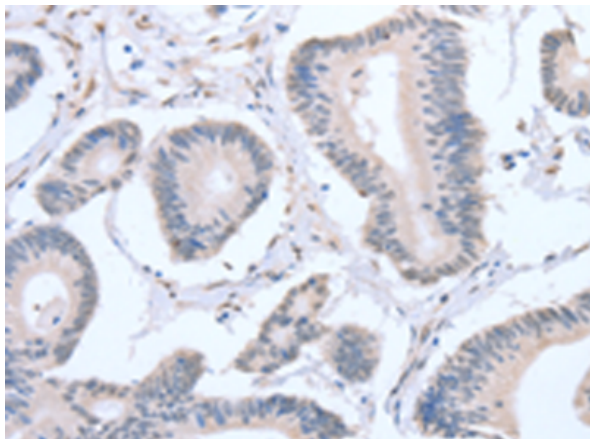
**Purification:** Antigen affinity purification

**Species Reactivity:** Human, Mouse, Rat

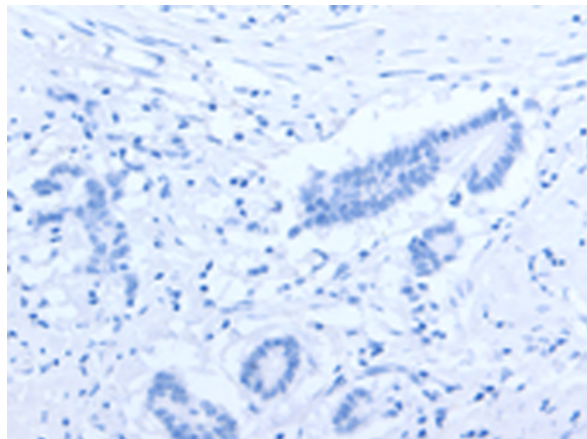
**Constituents:** PBS (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40% glycerol

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

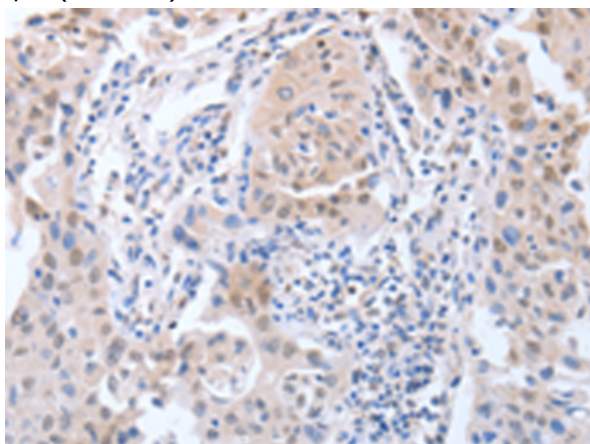
**Storage & Shipping:** Store at -20°C. Avoid repeated freezing and thawing



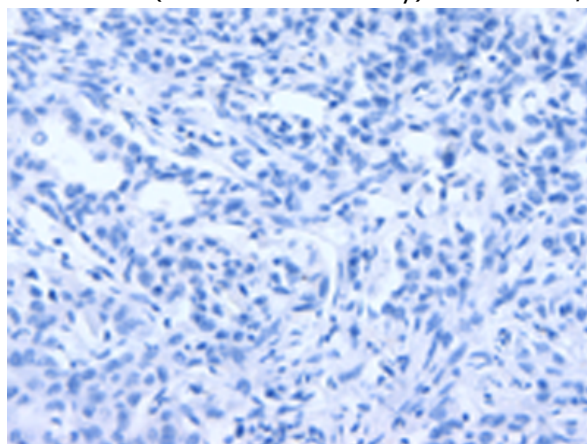
Immunohistochemistry analysis of paraffin embedded Human colon cancer tissue using 216325 (APEX1 Antibody) at a dilution of 1/20 (Nucleus).



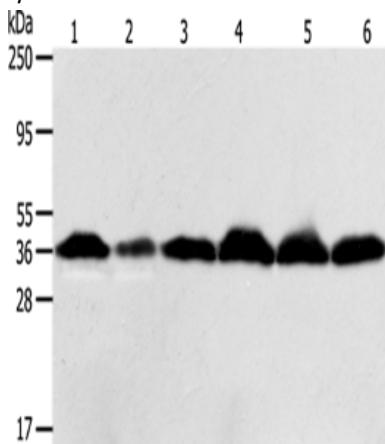
In comparison with the IHC on the left, the same paraffin-embedded Human colon cancer tissue is first treated with the fusion protein and then with 216325 (Anti-APEX1 Antibody) at dilution 1/20.



The image on the left is immunohistochemistry of paraffin-embedded Human lung cancer tissue using 216325 (Anti-APEX1 Antibody) at a dilution of 1/20.



In comparison with the IHC on the left, the same paraffin-embedded Human lung cancer tissue is first treated with fusion protein and then with D220212 (Anti-APEX1 Antibody) at dilution 1/20.



Gel: 12% SDS-PAGE, Lysate: 40 µg;  
Lane 1-6: HeLa cells, human liver cancer tissue, Raji cells, Jurkat cells, 293T cells, PC3 cells;  
Primary antibody: 216325 (APEX1 Antibody) at dilution 1/450;  
Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution;  
Exposure time: 1 minute

