

## AXIN2 RABBIT PAB

**Cat.#:** S217197

**Product Name:** Anti-AXIN2 Rabbit Polyclonal Antibody

**Synonyms:** AXIL; ODCRCS

**UNIPROT ID:** Q9Y2T1 (Gene Accession - BC006295 )

**Background:** The Axin-related protein, Axin2, presumably plays an important role in the regulation of the stability of beta-catenin in the Wnt signaling pathway, like its rodent homologs, mouse conductin/rat axil. In mouse, conductin organizes a multiprotein complex of APC (adenomatous polyposis of the colon), beta-catenin, glycogen synthase kinase 3-beta, and conductin, which leads to the degradation of beta-catenin. Apparently, the deregulation of beta-catenin is an important event in the genesis of a number of malignancies. The AXIN2 gene has been mapped to 17q23-q24, a region that shows frequent loss of heterozygosity in breast cancer, neuroblastoma, and other tumors. Mutations in this gene have been associated with colorectal cancer with defective mismatch repair.

**Immunogen:** Fusion protein of human AXIN2

**Applications:** ELISA, WB, IHC

**Recommended Dilutions:** IHC: 50-200;WB: 500-2000;ELISA: 5000-10000

**Host Species:** Rabbit

**Clonality:** Rabbit Polyclonal

**Isotype:** Immunogen-specific rabbit IgG

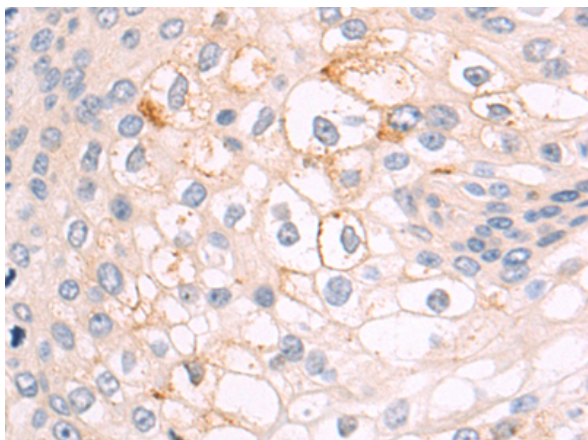
**Purification:** Antigen affinity purification

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

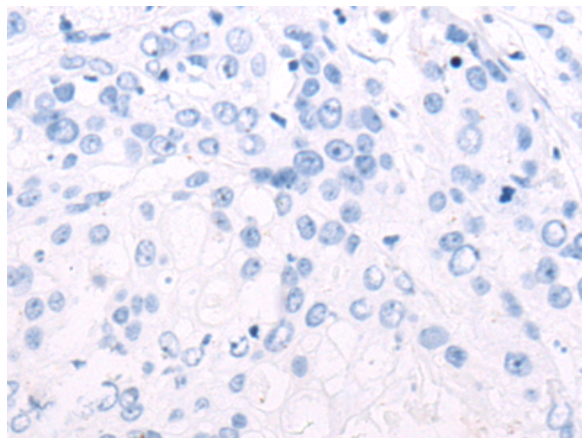
**Constituents:** PBS (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40% glycerol

**Research Areas:** Epigenetics and Nuclear Signaling, Cancer, Neuroscience, Signal Transduction

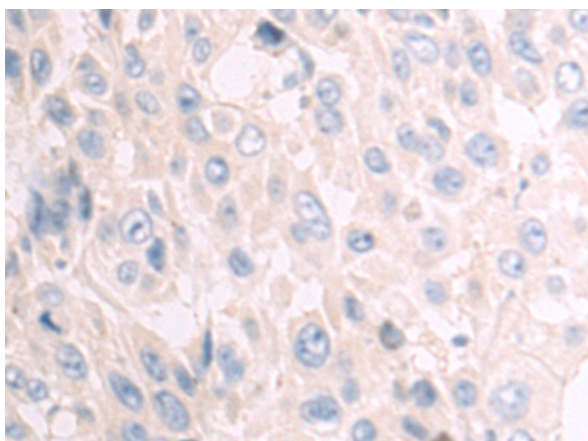
**Storage & Shipping:** Store at -20°C. Avoid repeated freezing and thawing



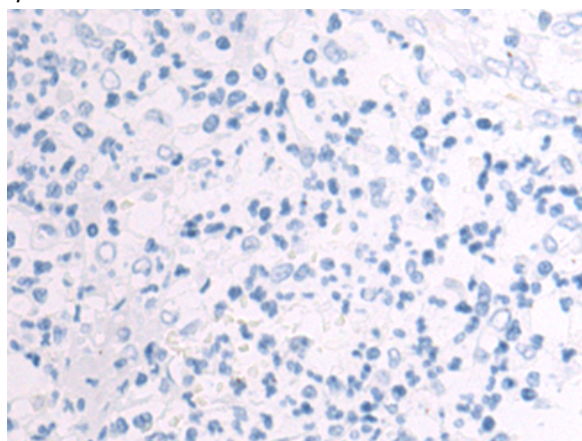
Immunohistochemistry analysis of paraffin embedded Human cervical cancer tissue using 217197 (AXIN2 Antibody) at a dilution of 1/75 (Cytoplasm).



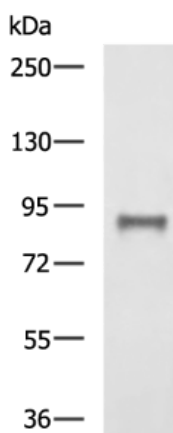
In comparison with the IHC on the left, the same paraffin-embedded Human cervical cancer tissue is first treated with the fusion protein and then with 217197 (Anti-AXIN2 Antibody) at dilution 1/75.



The image on the left is immunohistochemistry of paraffin-embedded Human esophagus cancer tissue using 217197 (Anti-AXIN2 Antibody) at a dilution of 1/75.



In comparison with the IHC on the left, the same paraffin-embedded Human esophagus cancer tissue is first treated with fusion protein and then with D221962 (Anti-AXIN2 Antibody) at dilution 1/75.



Gel: 6% SDS-PAGE, Lysate: 40  $\mu$ g;  
 Lane: Human ileum tissue lysate ;  
 Primary antibody: 217197 (AXIN2 Antibody) at dilution 1/700;  
 Secondary antibody: HRP-conjugated Goat anti rabbit IgG at 1/5000 dilution;  
 Exposure time: 1 minute



# Product Description

Pioneering GTPase and Oncogene Product Development since 2010

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