

## NOTCH1 RABBIT PAB

**Cat.#:** S220146

**Product Name:** Anti-NOTCH1 Rabbit Polyclonal Antibody

**Synonyms:** hNI; AOS5; TANI; AOVD1

**UNIPROT ID:** P46531 (Gene Accession - NP\_060087 )

**Background:** This gene encodes a member of the NOTCH family of proteins. Members of this Type I transmembrane protein family share structural characteristics including an extracellular domain consisting of multiple epidermal growth factor-like (EGF) repeats, and an intracellular domain consisting of multiple different domain types. Notch signaling is an evolutionarily conserved intercellular signaling pathway that regulates interactions between physically adjacent cells through binding of Notch family receptors to their cognate ligands. The encoded preproprotein is proteolytically processed in the trans-Golgi network to generate two polypeptide chains that heterodimerize to form the mature cell-surface receptor. This receptor plays a role in the development of numerous cell and tissue types. Mutations in this gene are associated with aortic valve disease, Adams-Oliver syndrome, T-cell acute lymphoblastic leukemia, chronic lymphocytic leukemia, and head and neck squamous cell carcinoma.

**Immunogen:** Synthetic peptide of human NOTCH1

**Applications:** ELISA, WB, IHC

**Recommended Dilutions:** IHC: 50-100;WB: 500-2000;ELISA: 5000-10000

**Host Species:** Rabbit

**Clonality:** Rabbit Polyclonal

**Isotype:** Immunogen-specific rabbit IgG

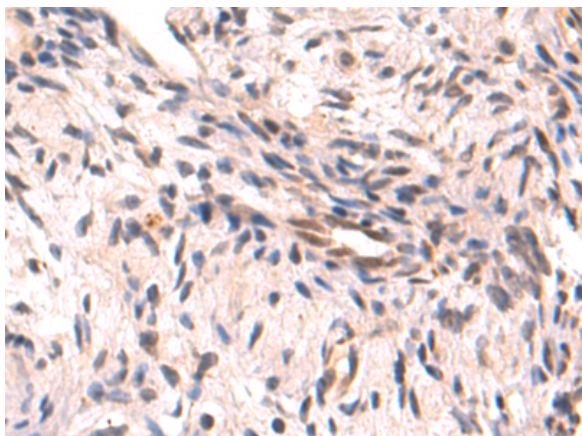
**Purification:** Antigen affinity purification

**Species Reactivity:** Human, Rat

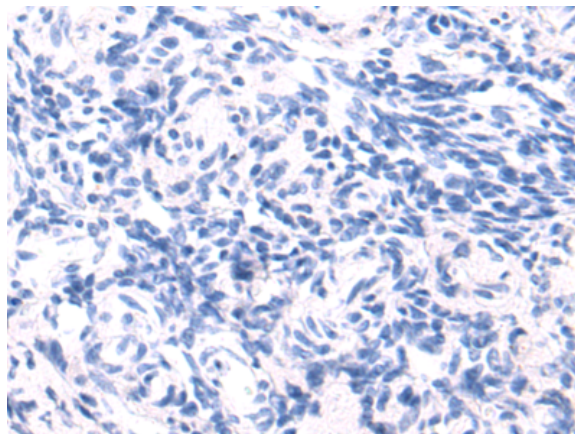
**Constituents:** PBS (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40% glycerol

**Research Areas:** Epigenetics and Nuclear Signaling, Neuroscience, Cardiovascular, Signal Transduction, Stem Cells, Developmental Biology

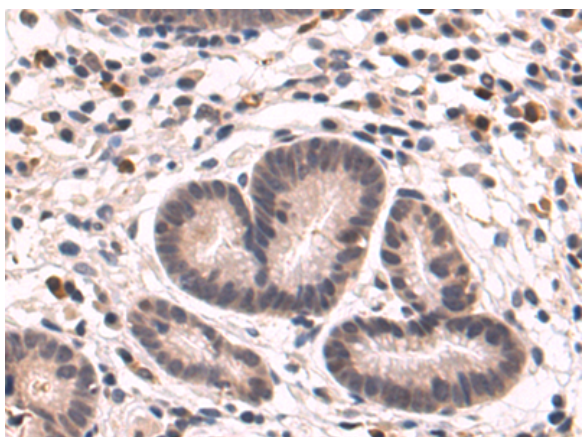
**Storage & Shipping:** Store at -20°C. Avoid repeated freezing and thawing



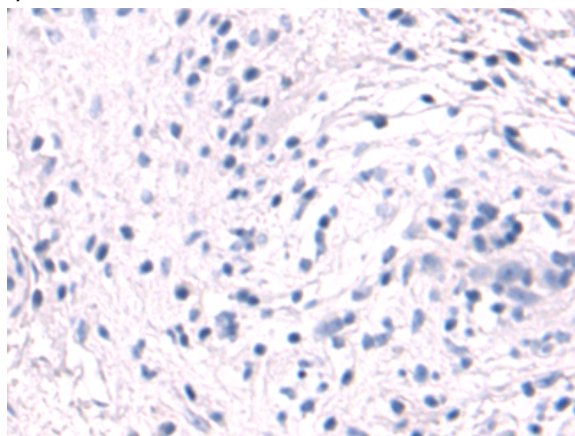
Immunohistochemistry analysis of paraffin embedded Human breast cancer tissue using 220146 (NOTCH1 Antibody) at a dilution of 1/50 (Cytoplasm and Nucleus).



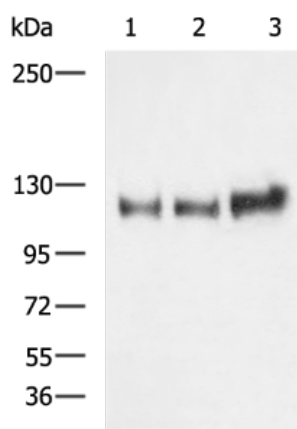
In comparison with the IHC on the left, the same paraffin-embedded Human breast cancer tissue is first treated with the synthetic peptide and then with 220146 (Anti-NOTCH1 Antibody) at dilution 1/50.



The image on the left is immunohistochemistry of paraffin-embedded Human esophagus cancer tissue using 220146 (Anti-NOTCH1 Antibody) at a dilution of 1/50.



In comparison with the IHC on the left, the same paraffin-embedded Human esophagus cancer tissue is first treated with synthetic peptide and then with D261041 (Anti-NOTCH1 Antibody) at dilution 1/50.



Gel: 6%SDS-PAGE, Lysate: 40 µg;  
 Lane 1-3: HeLa, HepG2, 293T cell lysates;  
 Primary antibody: 220146 (NOTCH1 Antibody) at dilution 1/800;  
 Secondary antibody: HRP-conjugated Goat anti rabbit IgG at 1/5000 dilution;  
 Exposure time: 20 seconds



# Product Description

Pioneering GTPase and Oncogene Product Development since 2010

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