

## **Product Description**

Pioneering GTPase and Oncogene Product Development since 2010

## **H1-8 RABBIT PAB**

Cat.#: S222181

**Product Name:** Anti-H1-8 Rabbit Polyclonal Antibody

Synonyms: H1.8; H100; osH1; H1FOO

**UNIPROT ID:** Q8IZA3 (Gene Accession - NP\_722575)

**Background:** Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Nucleosomes consist of approximately 146 bp of DNA wrapped around a histone octamer composed of pairs of each of the four core histones (H2A, H2B, H3, and H4). The chromatin fiber is further compacted through the interaction of a linker histone, H1, with the DNA between the nucleosomes to form higher order chromatin structures. The protein encoded is a replication-independent histone that is a member of the histone HI family. This gene contains introns, unlike most histone genes. The related mouse gene is expressed only in

oocytes. [provided by RefSeq, Oct 2015]

Immunogen: Synthetic peptide of human H1-8

**Applications:** ELISA, IHC

Recommended Dilutions: IHC: 30-150; ELISA: 5000-10000

Host Species: Rabbit

**Clonality:** Rabbit Polyclonal

Isotype: Immunogen-specific rabbit IgG **Purification:** Antigen affinity purification

Species Reactivity: Human

Constituents: PBS (without Mg2+ and Ca2+), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40%

glycerol

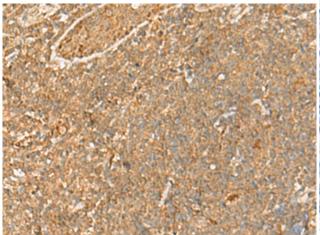
Research Areas: Epigenetics and Nuclear Signaling

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

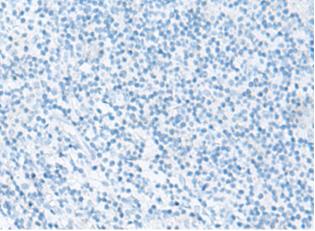


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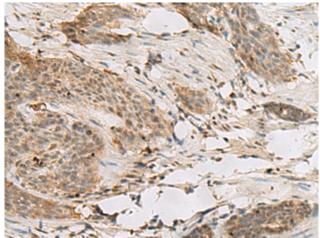
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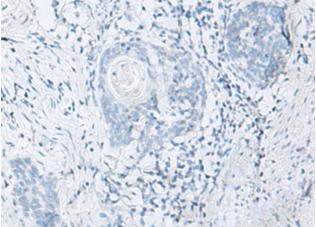
Immunohistochemistry analysis of paraffin embedded Human tonsil tissue using 222181(H1-8 Antibody) at a dilution of 1/20(Cytoplasm or Nucleus).



In comparision with the IHC on the left, the same paraffin-embedded Human tonsil tissue is first treated with the synthetic peptide and then with 222181(Anti-H1-8 Antibody) at dilution 1/20.



The image on the left is immunohistochemistry of paraffinembedded Human esophagus cancer tissue using 222181(Anti-H1-8 Antibody) at a dilution of 1/20.



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 D264183(Anti-H1-8 Antibody) at dilution 1/20.