

## DNMT3A RABBIT PAB

**Cat.#:** S216476

**Product Name:** Anti-DNMT3A Rabbit Polyclonal Antibody

**Synonyms:** TBRS; DNMT3A2; M.Hsa111A

**UNIPROT ID:** Q9Y6K1 (Gene Accession - BC043617)

**Background:** CpG methylation is an epigenetic modification that is important for embryonic development, imprinting, and X-chromosome inactivation. Studies in mice have demonstrated that DNA methylation is required for mammalian development. This gene encodes a DNA methyltransferase that is thought to function in de novo methylation, rather than maintenance methylation. The protein localizes to the cytoplasm and nucleus and its expression is developmentally regulated.

**Immunogen:** Fusion protein of human DNMT3A

**Applications:** ELISA, WB, IHC

**Recommended Dilutions:** IHC: 50-200;WB: 200-1000;ELISA: 5000-10000

**Host Species:** Rabbit

**Clonality:** Rabbit Polyclonal

**Isotype:** Immunogen-specific rabbit IgG

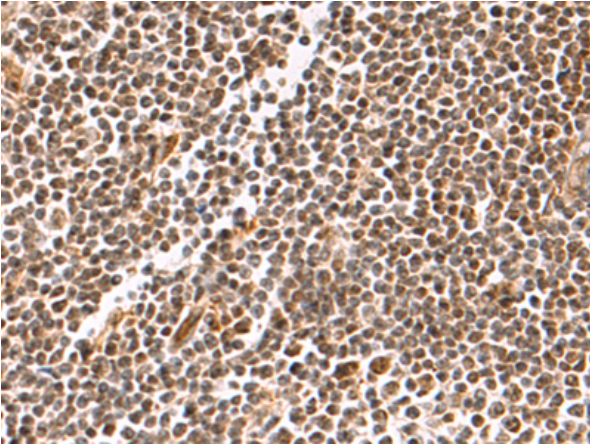
**Purification:** Antigen affinity purification

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

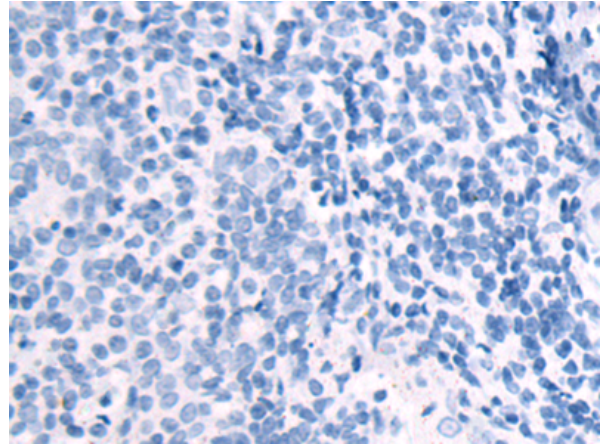
**Constituents:** PBS (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40% glycerol

**Research Areas:** Epigenetics and Nuclear Signaling

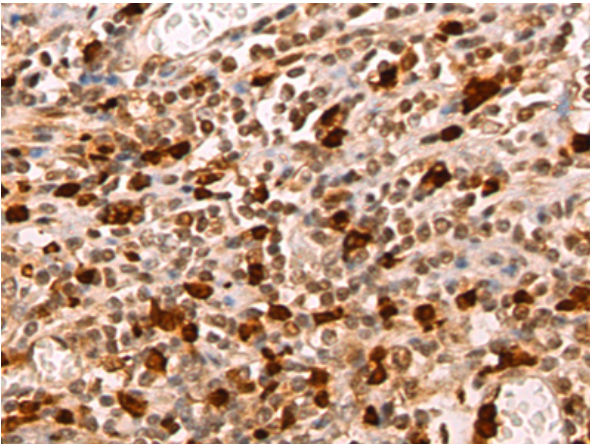
**Storage & Shipping:** Store at -20°C. Avoid repeated freezing and thawing



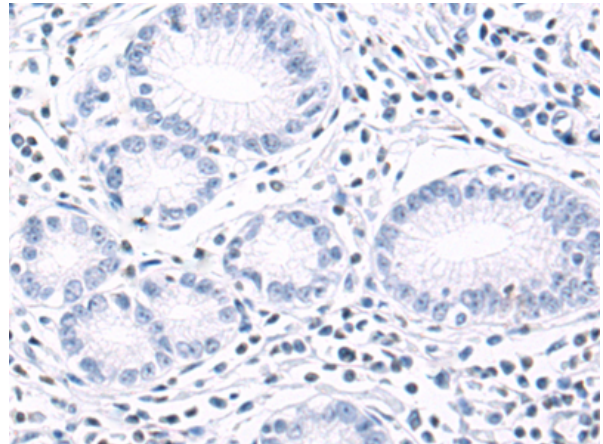
Immunohistochemistry analysis of paraffin embedded Human tonsil tissue using 216476(DNMT3A Antibody) at a dilution of 1/80(Nucleus).



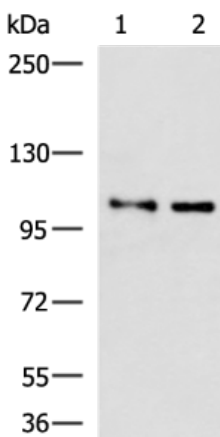
In comparison with the IHC on the left, the same paraffin-embedded Human tonsil tissue is first treated with the fusion protein and then with 216476(Anti-DNMT3A Antibody) at dilution 1/80.



The image on the left is immunohistochemistry of paraffin-embedded Human gastric cancer tissue using 216476(Anti-DNMT3A Antibody) at a dilution of 1/80.



In comparison with the IHC on the left, the same paraffin-embedded Human gastric cancer tissue is first treated with fusion protein and then with D220559(Anti-DNMT3A Antibody) at dilution 1/80.



Gel: 6%SDS-PAGE, Lysate: 40 µg;  
Lane 1-2: Hela and 231 cell lysates;  
Primary antibody: 216476(DNMT3A Antibody) at dilution 1/400;  
Secondary antibody: HRP-conjugated Goat anti rabbit IgG at 1/5000 dilution;  
Exposure time: 2 minutes



# Product Description

Pioneering GTPase and Oncogene Product Development since 2010

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