

Product datasheet for **TA322196**

DNMT3A Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 200-1000 WB positive control: Hela and 231 cell lysates IHC: 50-200 Positive control: Human tonsil Predicted cell location: Nucleus
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Fusion protein corresponding to C terminal 300 amino acids of human DNA (cytosine-5)-methyltransferase 3 alpha
Formulation:	PBS pH7.3, 0.05% NaN ₃ , 50% glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	78 kDa
Gene Name:	DNA (cytosine-5)-methyltransferase 3 alpha
Database Link:	NP_072046 Entrez Gene 13435 Mouse Entrez Gene 444984 Rat Entrez Gene 1788 Human Q9Y6K1



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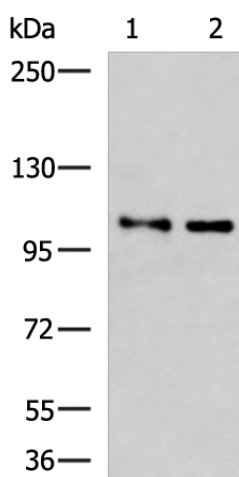
Background: CpG methylation is an epigenetic modification that is important for embryonic development; imprinting; and X-chromosome inactivation. Studies in mice have demonstrated that DNA methylation is required for mammalian development. This gene encodes a DNA methyltransferase that is thought to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

Synonyms: DNMT3A2; M.HsaIIIA; TBRS

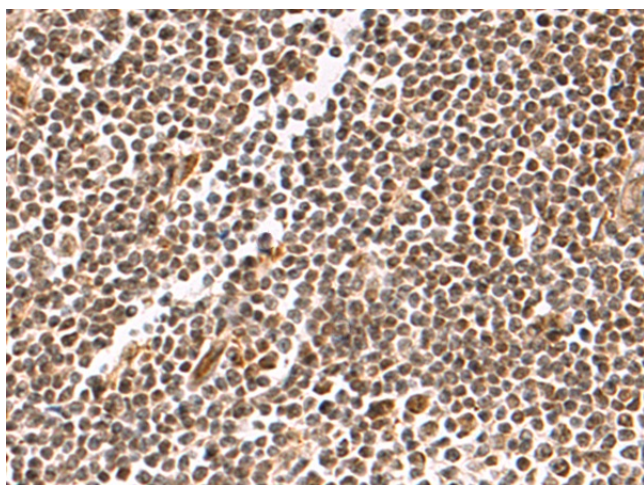
Protein Families: Druggable Genome

Protein Pathways: Cysteine and methionine metabolism, Metabolic pathways

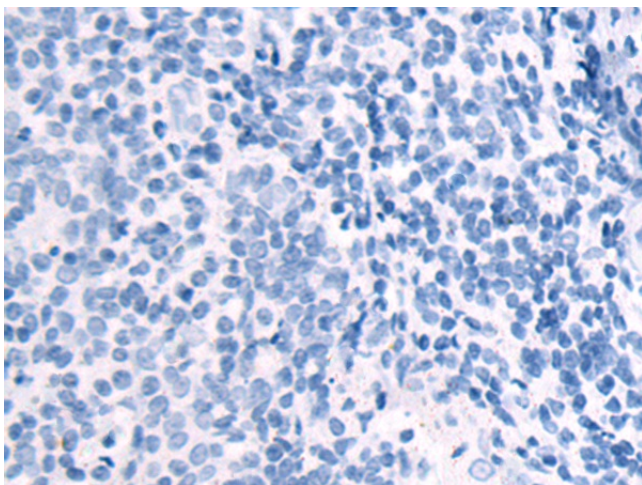
Product images:



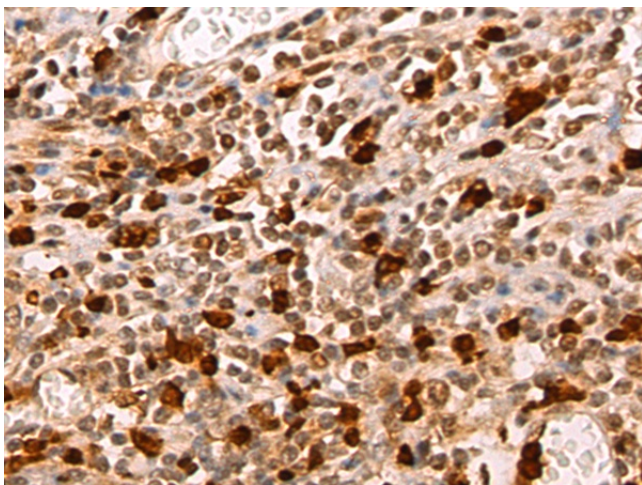
Gel: 6%SDS-PAGE
 Lysate: 40 µg
 Lane 1-2: HeLa and 231 cell lysates
 Primary antibody: TA322196 (DNMT3A Antibody) at dilution 1/400
 Secondary antibody: Goat anti rabbit IgG at 1/5000 dilution
 Exposure time: 2 minutes



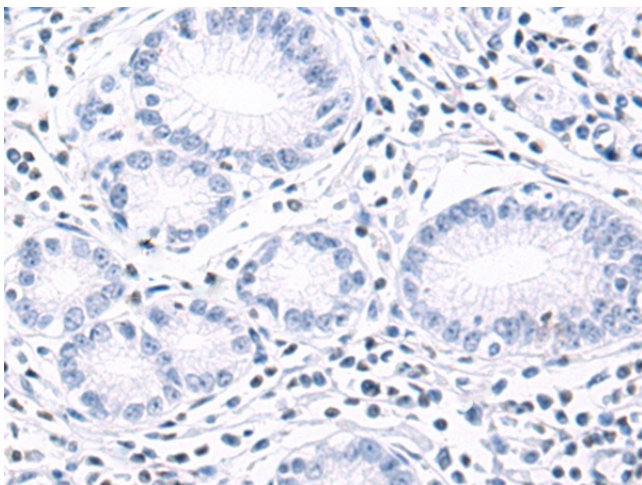
Immunohistochemistry of paraffin-embedded Human tonsil tissue using TA322196 (DNMT3A Antibody) at dilution 1/80 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human tonsil tissue using TA322196 (DNMT3A Antibody) at dilution 1/80, treated with fusion protein. (Original magnification: $\times 200$)



Immunohistochemistry of paraffin-embedded Human gastric cancer tissue using TA322196 (DNMT3A Antibody) at dilution 1/80 (Original magnification: $\times 200$)



Immunohistochemistry of paraffin-embedded Human gastric cancer tissue using TA322196 (DNMT3A Antibody) at dilution 1/80, treated with fusion protein. (Original magnification: $\times 200$)