

## Product datasheet for **TA322195**

### DNMT3A Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC
Recommended Dilution:	IHC: 100-300 Positive control: Human stomach cancer Predicted cell location: Cytoplasm, 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 <sub>3</sub> , 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:	<a href="#">NP_072046</a> <a href="#">Entrez Gene 13435 Mouse</a> <a href="#">Entrez Gene 444984 Rat</a> <a href="#">Entrez Gene 1788 Human</a> <a href="#">Q9Y6K1</a>



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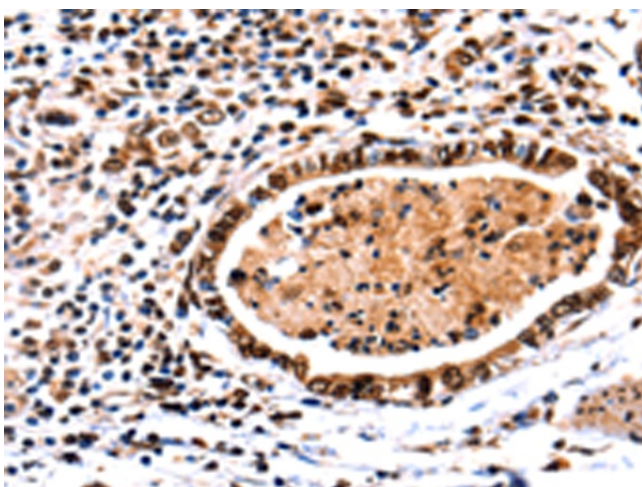
**Background:** CpG methylation is an epigenetic modification that is important for embryonic development; imprinting; and X-chromosome inactivation. Studies in mice have demonstrated that DNA methylation is required for mammalian development. This gene encodes a DNA methyltransferase that is thought 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

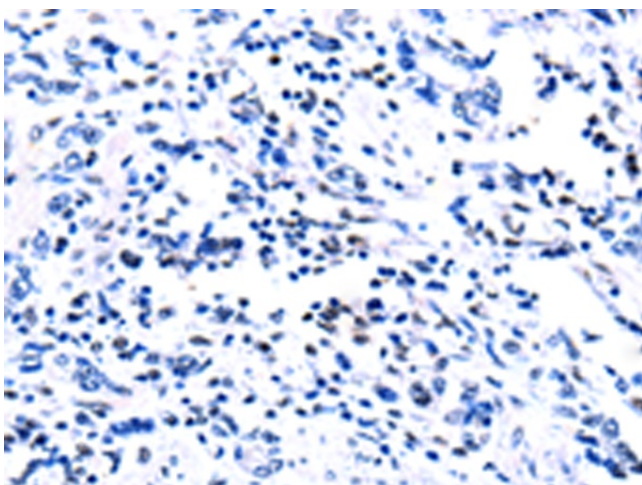
**Protein Families:** Druggable Genome

**Protein Pathways:** Cysteine and methionine metabolism, Metabolic pathways

**Product images:**



Immunohistochemistry of paraffin-embedded Human stomach cancer tissue using TA322195 (DNMT3A Antibody) at dilution 1/65 (Original magnification:  $\times 200$ )



Immunohistochemistry of paraffin-embedded Human stomach cancer tissue using TA322195 (DNMT3A Antibody) at dilution 1/65, treated with fusion protein. (Original magnification:  $\times 200$ )