

Product datasheet for **TA301633**

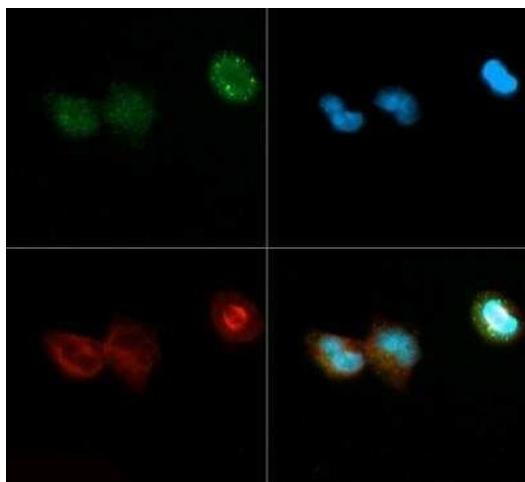
DNMT3A Rabbit Polyclonal Antibody

Product data:

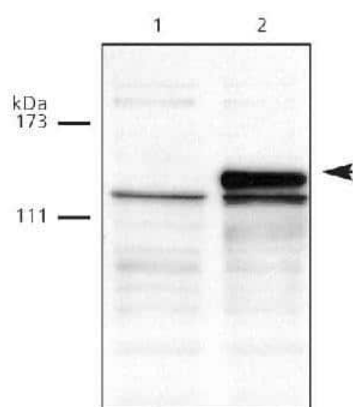
Product Type:	Primary Antibodies
Applications:	ICC/IF, IHC, IP, WB
Recommended Dilution:	Immunohistochemistry: 1:200, Immunocytochemistry/ Immunofluorescence: 1:500, Immunoprecipitation: 1:10-1:500, Western Blot: 1:1000, Immunohistochemistry-Paraffin: 1:200
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	This antibody was raised against amino acids 10-118 of the human DNMT3a protein.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	DNA (cytosine-5-)-methyltransferase 3 alpha
Database Link:	NP_072046 Entrez Gene 1788 Human Q9Y6K1
Background:	Inactivation of tumor suppressor genes is a key component of the development of all common forms of human cancers. Aberrant methylation may contribute to many of the changes, both physiological and pathological, associated with aging, including tumor development. Hypermethylation of CpG island-containing promoters is associated with the inactivation of genes important to tumor angiogenesis and progression. DNA methyltransferase (DNMT3a) is necessary for the maintenance of the methylation process.
Synonyms:	DNMT3A2; M.HsaIIIA; TBRS
Protein Families:	Druggable Genome
Protein Pathways:	Cysteine and methionine metabolism, Metabolic pathways



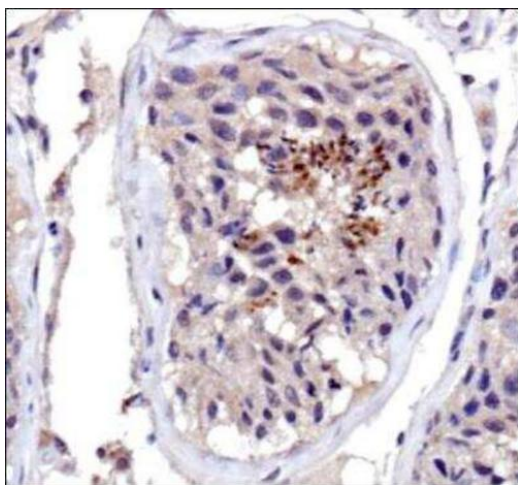
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Product images:


Immunocytochemistry/Immunofluorescence: DNMT3A Antibody TA301633 - Dnmt3a antibody was tested in Ntera-2 cells with Dylight 488 (green). Nuclei and beta-tubulin were counterstained with DAPI (blue) and Dylight 550 (red).



Western Blot: DNMT3A Antibody TA301633 - Analysis using TA301633 to detect overexpressed DNMT3A level in HCT-116 cells. Lane 1: 40 ug of nuclear extract from untreated HCT-116 cells. Lane 2: 40 ug of Nuclear extract from HCT-116 cells overexpressing DNMT3A.



Immunohistochemistry: DNMT3A Antibody TA301633 - Dnmt3a antibody was tested in human testis using DAB with hematoxylin counterstain.