

À des fins de recherche uniquement

# Anticorps Polyclonal de lapin anti-DNMT3A



Numéro de catalogue: 20954-1-AP

Phare

27 Publications

## Informations de base

Numéro de catalogue:

20954-1-AP

Taille:

150ul, Concentration: 350 µg/ml by Nanodrop;

Hôte:

Lapin

Isotype:

IgG

Immunogen Catalog Number:

AG15111

Numéro d'acquisition GenBank:

BC043617

Identification du gène (NCBI):

1788

Nom complet:

DNA (cytosine-5-)-methyltransferase 3 alpha

MW calculé

912 aa, 102 kDa

MW observés:

120-130 kDa

Méthode de purification:

Purification par affinité contre l'antigène

Dilutions recommandées:

WB 1:5000-1:50000

IP 0.5-4.0 µg for IP and 1:500-1:2000 for WB

IHC 1:1000-1:4000

IF 1:200-1:800

## Applications

Applications testées:

IF, IHC, IP, WB, ELISA

Demandes citées:

ChIP, IF, IHC, RIP, WB

Spécificité de l'espèce:

Humain, rat, souris

Espèces citées:

Chèvre, Humain, rat, souris

**Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9,0; (\*) À défaut, le démasquage de l'antigène peut être effectué avec un tampon citrate pH 6,0.**

Contrôles positifs:

WB : cellules Jurkat, cellules HEK-293, cellules HeLa, cellules HepG2, tissu testiculaire de rat, tissu testiculaire de souris

IP : cellules HeLa,

IHC : tissu de cancer de l'estomac humain, tissu de côlon de rat, tissu de côlon de souris, tissu testiculaire de rat, tissu testiculaire de souris

IF : cellules K-562,

## Informations générales

DNA methylation in vertebrate animals is an epigenetic modification that is important for embryonic development, imprinting, and the inactivation of X chromosomes. DNA methylation is catalyzed by a family of DNA methyltransferases (DNMTs) that include the maintenance enzyme DNMT1 and de novo methyltransferases DNMT3a and DNMT3b. The overexpression of DNMT1, DNMT3a, and DNMT3b has been reported in various malignancies, including gastric, urothelial, and lung cancers, and may be related to tumorigenesis, tumor progression, and poor survival. Two isoforms of DNMT3a exist: the full-length DNMT3a, and the shorter form DNMT3a2 which lacks the N-terminal fragment. DNMT3a is expressed ubiquitously at low levels, while DNMT3a2 is specially expressed at high levels in embryonic stem cells and shows restricted expression in tissues known to undergo de novo methylation including testis and ovary. This antibody was raised against the N-terminal region of human DNMT3a. It is expected to detect the 120-130 kDa DNMT3a but not 72-100 kDa DNMT3a2.

## Publications notables

Autrice	Pubmed ID	Journal	Application
Ye Fu	36098921	Environ Sci Pollut Res Int	WB
Kalaiselvi Sivalingam	32899583	Brain Sci	WB
Yue Ming	36327957	Psychiatry Investig	ChIP,RIP

## Stockage

Stockage:

Stocker à -20°C. Stable pendant un an après l'expédition.

Tampon de stockage:

PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3

L'aliquotage n'est pas nécessaire pour le stockage à -20C

\*\*\* Les 20ul contiennent 0,1% de BSA.

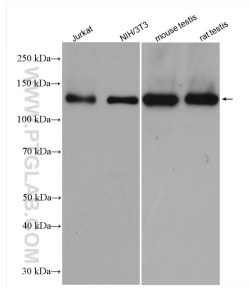
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

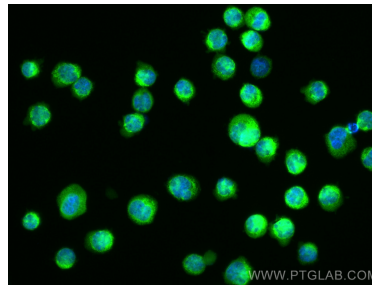
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

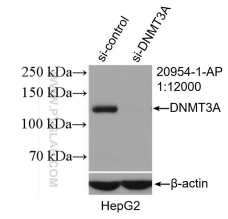
## Données de validation sélectionnées



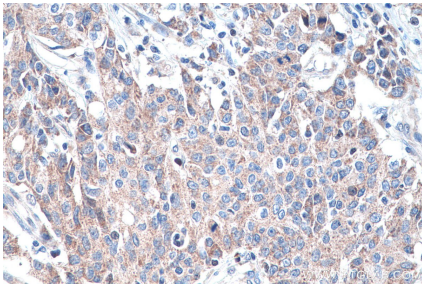
Various lysates were subjected to SDS PAGE followed by western blot with 20954-1-AP (DNMT3A antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



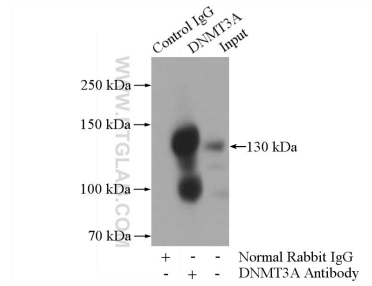
Immunofluorescent analysis of (4% PFA) fixed K-562 cells using DNMT3A antibody (20954-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



WB result of DNMT3A antibody (20954-1-AP; 1:12000; incubated at room temperature for 1.5 hours) with sh-Control and sh-DNMT3A transfected HepG2 cells.



Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 20954-1-AP (DNMT3A antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP Result of anti-DNMT3A (IP:20954-1-AP, 4ug; Detection:20954-1-AP 1:1000) with HeLa cells lysate 2000ug.