À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-DNMT3A

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Antibodies | ELISA kits | Proteins
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Numéro de catalogue:19366-1-AP Phare 7 Publications

Informations de base

Numéro de catalogue:
19366-1-AP

Taille:
150ul , Concentration: 450 μg/ml by Nanodrop and 327 μg/ml by Bradford method using BSA as the standard;

Hôte:
Lapin

Isotype:
IgG

Immunogen Catalog Number:
AG7015

Numéro d'acquisition GenBank:
BC043617

Identification du gène (NCBI):
1788

Nom complet:
DNA (cytosine-5-)-methyltransferase 3 alpha

MW calculé
912 aa, 102 kDa

Méthode de purification:
Purification par affinité contre l'antigène

Dilutions recommandées:
IHC 1:50-1:500

Applications

Applications testées:
IHC, ELISA

Demandes citées:
WB

Spécificité de l'espèce:
Humain, souris

Espèces citées:
Humain, 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:

IHC : tissu rénal humain, tissu cardiaque de souris, tissu cardiaque humain, tissu de cancer du poumon humain

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
Hua Zhang	36178098	Development	WB
Diyu Chen	31652420	Aging (Albany NY)	WB
Ying-Ying Zhang	26178269	J Appl Toxicol	WB

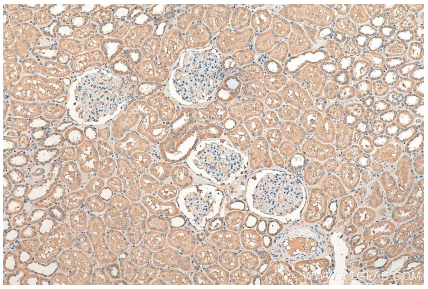
Stockage

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

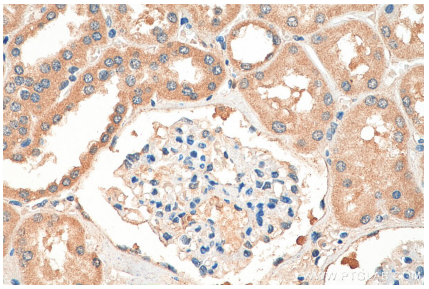
***** Les 20ul contiennent 0,1% de BSA.**

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

Données de validation sélectionnées



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 19366-1-AP (DNMT3A antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 19366-1-AP (DNMT3A antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).